Project Report On

"DESIGN AND DEVELOPMENT OF AUTOMATED WRITING MACHINE"

Submitted in partial fulfillment of the Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

K. CHANDRAKALA (19701A0214) N. KEERTHI (19701A0238)

V. AYYAPPA REDDY (19701A0208) V.L. BHANU PRAKASH REDDY (19701A0211)

Under the esteemed guidance of

Mr.N.SREERAMULA REDDY, M.Tech.

Assistant Professor



Department of EEE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET (AUTONOMOUS)

(Approved by AICTE, NEWDELHI & Affiliated to J.N.T. University, Anantapur)Accredited by NBA and NAAC of UGC, BANGALORE.

Rajampet, Kadapa (Dist), A.P-516126.

2022-2023

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES:: RAJAMPET

(AUTONOMOUS)

(Approved by AICTE, NEWDELHI & Affiliated to J.N.T. University, Anantapur) Accredited by

NBA and NAAC of UGC, BANGALORE., Rajampet, Kadapa (Dist), A.P-516126.



CERTIFICATE

This is to certify that the project work entitled "DESIGN AND DEVELOPMENT

OF AUTOMATED WRITING MACHINE" is a bonafied record of work done by

K. CHANDRAKALA (19701A0214) N. KEERTHI (19701A0238)

V. AYYAPPA REDDY (19701A0208)

V.L. BHANU PRAKASH REDDY (19701A0211)

In partial fulfillment of the requirements for the award of degree of

Bachelor of Technology in the E.E.E. during the year 2022-2023.

SIGNATURE OF THE GUIDE

SIGNATURE OF THE H.O.D

Mr.N.SREERAMULA REDDY, M. Tech.,

Dr. M.PADMA LALITHA, M. Tech, Ph.D.,

Assistant Professor, Department of EEE, A.I.T.S, Rajampet. Professor & Head of Department, Department of EEE, A.I.T.S, Rajampet.

CERTIFICATE OF EXAMINATION

This is to certify that I had examined the concept and here by accord, my approval of it
as a project carried out and presented in a manner required for its acceptance in partial
fulfillment for the award of Degree of BACHELOR OF TECHNOLOGY in ELECTRICAL
AND ELECTRONICS ENGINEERING for which it has been submitted. This approval does
not necessarily endorse every statement made, conclusion drawn as recorded in report, and it
only signifies the acceptance of report for the purpose for which it issubmitted.
EXTERNAL VIVA-VOCE EXAMINATION HELD ON

INTERNAL EXAMINER

EXTERNAL EXAMINER

DEPARTMENT OF ELECTRICAL& ELECTRONICS ENGINEERING ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(An Autonomous Institution)

(Approved by AICTE, NEWDELHI & Affiliated to J.N.T.U, Anantapur)
Accredited by NBA of AICTE, NEWDELHI.
Accredited by NAAC of UGC, BANGALORE.
Rajampet, Kadapa (Dist), A.P-516126.



ANTI – PLAGIARISM CERTIFICATE

This is to certify that the project report entitled " 4% " submitted by

- 1) K. CHANDRAKALA (19701A0214)
- 2) N. KEERTHI (19701A0238)
- 3) V. AYYAPPA REDDY (19701A0208)
- 4) V.L. BHANU PRAKASH REDDY (19701A0211)

in partial fulfillment of the requirements for the award of Degree of **BACHELOR OF TECHNOLOGY** in "ELECTRICAL AND ELECTRONICS ENGINEERING" course contains the plagiarism of 4 % which is within the acceptable limits.

Date: Coordinator
Research & Development Cell

Enclosed Copy of first page of Plagiarism report

ACKNOWLEDGEMENT

An endeavor of a long period can be successful only with the advice of many well-wishers. We take this opportunity to express our deep gratitude and appreciation to all those who encouraged me to complete project thanks to Guide, **Mr.N.Sreeramula Reddy**, Assistant Professor of Electrical and Electronics Engineering, Annamacharya Institute of Technology and Sciences, Rajampet, for his valuable guidance and suggestions in analyzing and testing throughout the period.

We are extremely thankful to **DR.M.PADMA LALITHA**, Professor and HOD of Electrical and Electronics Engineering, for the encouragement and motivation, which contributed to the successful completion of the project.

We wish to express our sincere gratitude to **Dr. S.M.V.NARAYANA**, Principal, Annamacharya Institute of Technology and Sciences, Rajampet, for their consistent help and encouragement to accomplish the project.

We are very much thankful to **Sri C. GANGI REDDY,** Hon' Secretary of Annamacharya Educational Trust, Rajampet, for providing good facilities in our college.

We express our gratitude and sincere thanks to all Project Review Committee members for their support and cooperation in successfully completing Project Stage.

We also extend our gratitude to our parents, staff, and friends for their moral support and their encouragement, which motivated us toward the successful completion of the project Stage.

K. Chandrakala 19701A0214
N. Keerthi 19701A0238
V.Ayyappa Reddy 19701A0208
V.L. Bhanu Prakash Reddy 19701A0211

ABSTRACT

The progressions in the new modern patterns have led to a mechanical advancement, which is prompting the improvement of Industry 4.0 with exceptionally mechanized ventures through human-machine collaboration. As the interaction gets more perplexing and lumbering, robotization turns out to be more crucial for the development and productivity of a framework. Robotized machines are more exact, adaptable, ideal decrease the likelihood of mistake altogether. Lately, various frameworks were proposed to work as a composing machine that can give yield in predefined text styles. The framework proposed in this paper manages perceiving the text in the record and afterward giving the result in the client's textual style. Utilizing this strategy also, the heaviness of the whole framework is made generally lower than the other financially accessible composing machines.



LIST OF CONTENTS

CHAPTER NO	CONTENTS	PAGE NO
Chapter 1	Introduction	1-5
	1.1 Writing Machine	1
Chapter 2	Existing System	5
	2.1 OCR Writing machine	5
Chapter 3	Literature survey	6-7
	3.1 Polygraph	6
	3.2 Typewriter	6
	3.3 TelAutograph	6
	3.4 Autopen	7
	3.5 Long Pen	7
	3.6 Axi Draw	7
Chapter 4	Proposed System	8-9
Chapter 5	Tools Requried	10-18
	5.1 Stepper Motor	10
	5.2 Servo Motor	12
	5.3 Arduino UNO	13
	5.4 Linear Rods 450mm	15
	5.5 Linear Rods 350mm	16
	5.6 Arduino IDE	16
	5.7 Inkscape 0.9.2	17
	5.8 G-code	18
Chapter 6	Working	19-25
	6.1 Flow chat for automated	19
	writing machine	
Chapter 7	Code	26-44
Chapter 8	Cost of Components	45-46
	Advantages, Disadvantages,	
	Applications	

Chapter 9	Results	47-48
	Conclusion	49
	Future Scope	49
	References	50

LIST OF FIGURES

FIGURE NO	NAME OF THE FIGURE	PAGE NO
1	Writing Machine	1
2	OCR Writing machine	5
3.1	Polygraph	6
3.2	Type writer	6
3.3	Telautograph	6
3.4	Autopen	7
3.6	Axi Draw	7
5.1	Stepper Motor	10
5.1.1	Pin Diagram of X- axis stepper	11
	Motor	
5.1.2	Pin Diagram of Y-axis stepper	11
	Motor	
5.2	Servo Motor	12
5.2.1	Pin Diagram of Servo Motor	12
5.3	Arduino UNO	13
5.3.1	Pin Diagram for ARDUINO R3	14
	shield	
5.3.2	Pin diagram for Hold Button	14
5.3.3	Pin Digram for Resume Button	14
5.4	Linear Rods 450mm	15
5.5	Linear Rods 350mm	16
5.6	Arduino IDE	16
5.7	Inkscape 0.9.2	17
6.1	The flow chat for Automated	19
	Writing machine	
8.1	Input	47
8.2	Output	47

LIST OF ABBREVIATIONS

CNC - Computer Numerical ControlOCR - Optical Character RecognitionUGP - Universal G-Code Platform

DRO - Digital Read Out

USB - Universal Serial Bus

AWM - Automated Writing Machine

PWM - Pulse Width Modulation

CHAPTER - 1

INTRODUCTION

Industry 4.0, also known as Brilliant Assembling, is a manufacturing breakthrough that is taking place as the globe transitions into a new era. The Business 4.0 uprising may seem more feasible given how quickly organizations are adopting computerized innovations like modern mechanical technology, 3D printing, AI, optical person recognition, distributed computing, expanded reality, and sensors.



Fig 1 Writing Machine

Humanity is going to robots to accomplish the work and diminish human exertion. Time and labor are the two main basic constraints on completing any projects with a broad scope and efficiency in today's society, which is undergoing rapid development. So, in many of the routinely carried out tasks like welding, painting, gathering, filling holders, authoring, and so forth. Computerization is playing a crucial role in saving a lot of human labor. Considering everything, mechanization can help avoid the time and effort required to compose the keys on a console, which is laborious and necessitates a lot of skills and human activities.

To write only the built-in text styles like Roman, Calibri, Arial, Effect, Georgia, and so on, advances like automated speech to message converters are used. The paper aspires to develop a framework that is prepared for writing on a page with the aid of a pen in the client's unique handwriting or, if necessary, in any of the predefined text styles.

Hence, the concept of CNC machines—PC mathematical control machines—as an intriguing and adaptable kind of delicate computerization is introduced. It was initially developed to regulate the motion and furthermore the functioning of technological devices. A computerized machine can be used to execute ideas like CNC machines in order to write additionally the general equipment arrangement of the proposed framework.

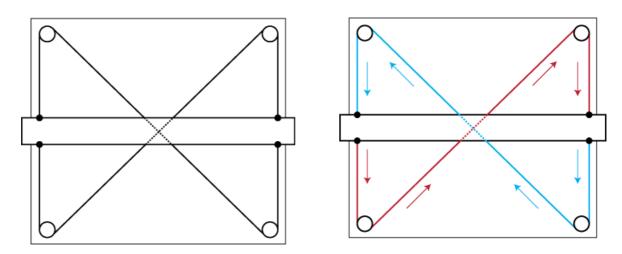
People can read the text on an image and identify the objects in it by looking at it, but PCs require a more co-ordinated comprehension strategy. Computers are used to view the images. Visual Person Acknowledgment includes locating and acknowledging messages contained in sophisticated photographs as well as totally converting these messages to an encoded format that PCs can easily decode. It has been used in a few applications, such as the recognition of license plates captured by cameras or the examination of handwritten records to create electronic copies of them.

OBJECTIVE

The Objective of this project are:

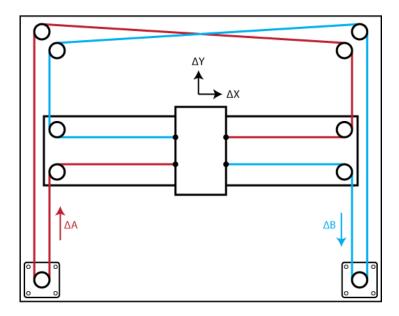
- This Automated writing and drawing device is used to save the wastage of time.
- There are a lot of automated drawing machines are there. But this is useful among all.
- By this we can make the notes in our own handwriting just by giving the input to the machine. We don't need to waste lots of time by sitting in front of the work
- This machine will be able to draw and write the assignments and other hand written notes in our ownhandwriting By this we can save our time.
- This machine can be used very easily for writing we just need to give the input text and for drawing we need to give the measurement as the input..

Principle of Operation



This is a standard drafting table. The horizontal bar is a straight-edge which can be moved up and down by the user. The criss-cross pattern of the cables stabilizes the bar and keeps it horizontal.

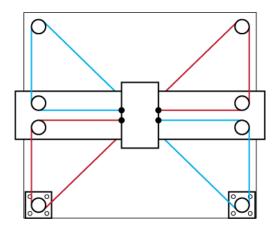
This effect can be seen by following the direction of motion of the two cables which comprise the mechanism. Note that all of the vertical arrows point in the same direction.

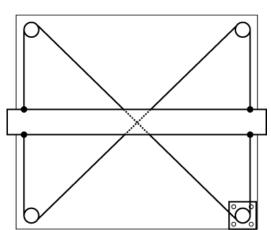


Equations of Motion:

$$\Delta X = \frac{1}{2} (\Delta A + \Delta B), \quad \Delta Y = \frac{1}{2} (\Delta A - \Delta B)$$

$$\Delta A = \Delta X + \Delta Y$$
, $\Delta B = \Delta X - \Delta Y$





You could imagine attaching a stepper motor to one of the pulleys. Now, the horizontal bar can be moved up and down under computer control. This might be called a single-axis CNC stage.

Mechanism

How might we modify this mechanism to convert it into a two-axis CNC stage? The illustrated mechanism above is one solution. Rotating both motors in the same direction results in horizontal motion. Rotating both motors in opposite directions results in vertical motion.

This reference mechanism is functionally identical to the last figure in the prior section. Two additional pulleys have been added to shift the belt cross-over outside of the working envelope.

Goals

THE GOAL OF THIS PROJECT ARE:

- This machine-controlled writing and drawing device is employed to save lots of the wastage of your time.
- There are heaps of machine-controlled drawing machines. however, this is often helpful among all.
- By this we are able to build the notes in our own handwriting simply by giving the input to the machine. we do not have to be compelled to waste a lot of time by sitting ahead of the work
- This machine is able to draw and write the assignments and different hand written notes in our own handwriting
- By this we are able to save our time.

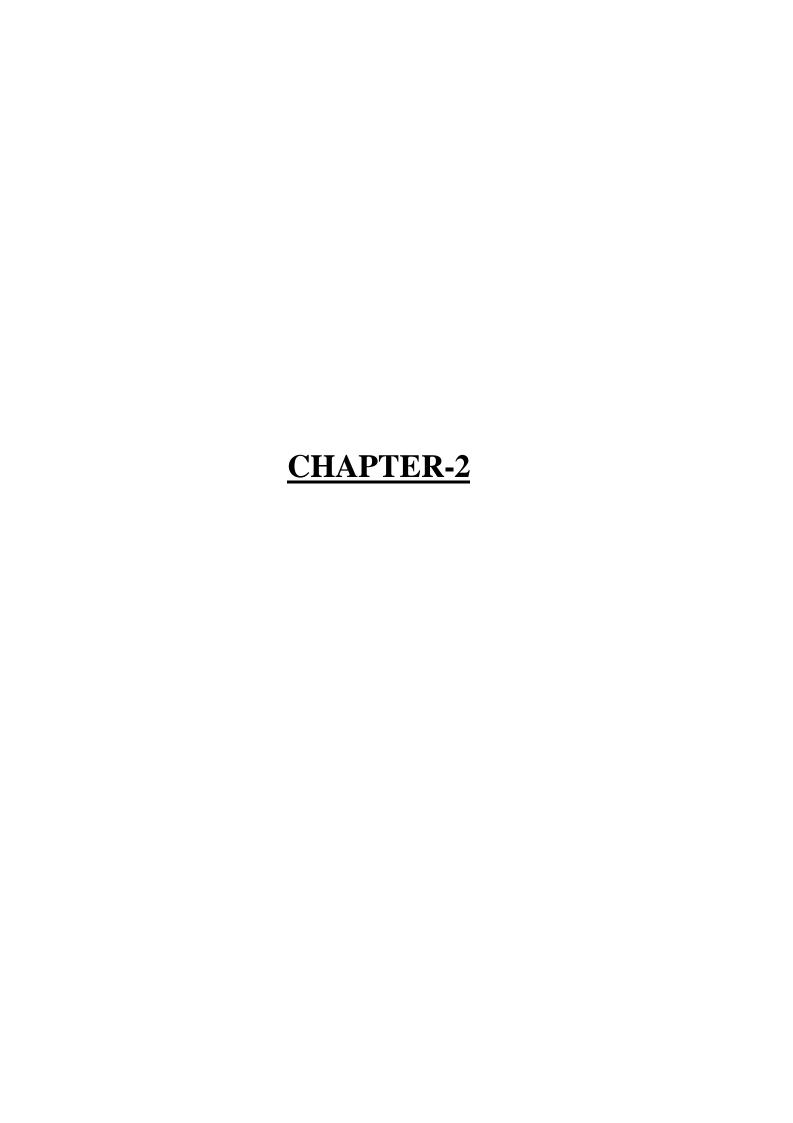
ALGORITHM

The G-Code file created by the assistance of Inkscape

Software then the process code is employed to send the GCode file to the Arduino controller unit (via USB) then The CNC protect drive send the dominant signals to the stepper motors and servo motor.

BLOCK DIAGRAM

As shown in the block diagram of the automatic writing machine (AWM) it represents the working process of AWM. The laptop or pc is connected with Arduino with help of USB cable and Arduino connected to the motor driver and act as an input. It pass the signal to the motor driver and motor driver give the signal to stepper motor. The stepper motor is place in linear position for moving the direction of X &Y.X movement left to right and Y movement forward and backward direction, servo motor is gives the movement of pen or marker up & down.



EXISTING SYSTEM

Modern Innovations like printers and scanners only write in specified text styles that are present on the PC. It is addressed in a slate show or a power point presentation. The kids describe board shows, an interaction that has been going on for a while, as being tiresome. Power point presentations are used to further improve, as they are more engaging and simpler than chalkboard instruction.

DRAWBACKS: -

The main flaw in this study is that the same method of instruction makes for a monotonous learning environment for both teachers and students. This system causes interest in a student's capacity for observation to decline.

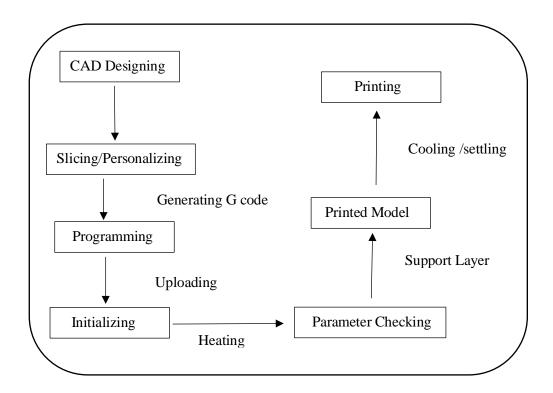
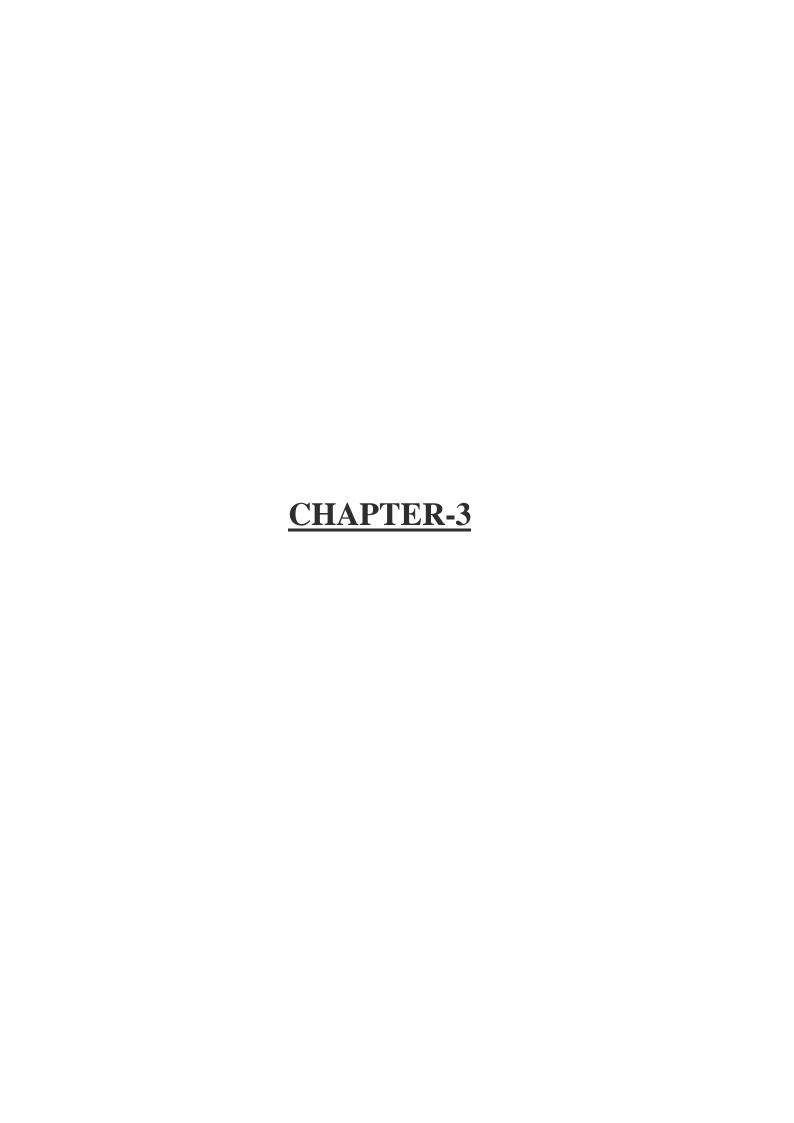


Fig 2 OCR Writing Machine



Literature Survey

POLYGRAPH: -

The first signature duplicating devices called polygraphs, were created by John Isaac Hawkins in the year 1803, and they resemble modern autopens in both appearance and operation. Pen and ink copies of a document were made using the Polygraph.



Fig 3.1 POLYGRAPH

TYPEWRITER: -

In 1874, the first typewriter for business use was released. It was a device that employed a variety of keys to write characters.



Fig 3.2 TYPEWRITER

TELAUTOGRAPH -

Elisha Gray is credited with coming up with it in 1888. It sends electrical impulses produced by the sending end's potentiometer to the receiving end. A pen attached with a servomechanism at the receiver.



Fig 3.3 TELAUTOGRAPH

Department of EEE, AITS, RAJAMPET

AUTOPEN -

An automatic signature tool is called an autopen, commonly referred to as a signing machine or robot pen. It was created in 1980 and used as a storage device to store signed nature notes.



Fig 3.4 AUTOPEN

LONG PEN:-

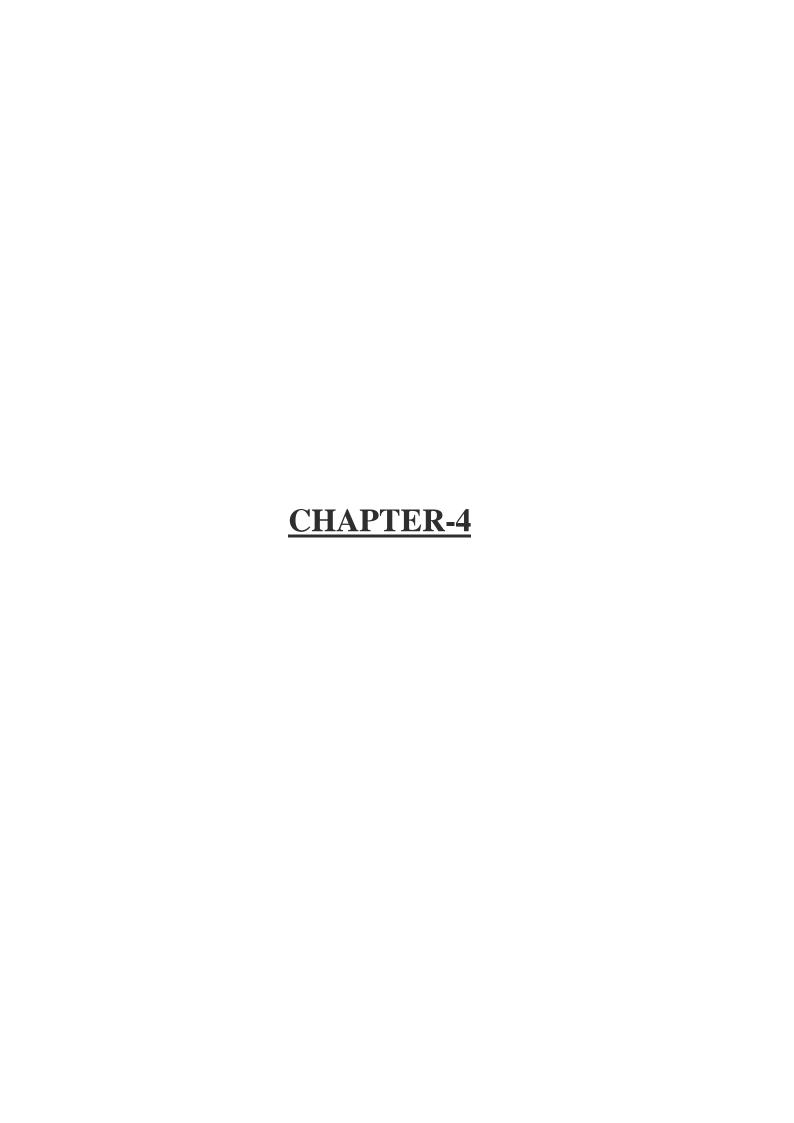
The long pen is an alternative to the autopen, a remote signing tool invented by Margaret at Wood TN in 2004 that enables users to sign documents from a distance using a computer, the internet, and a robotic hand.

AXI DRAW:-

Dr. Lin claims that Robert Wilson presented the axi draw project in 2014. This functions as a flexible pen plotter that is compatable with a number of writing implements, including fountain pens and permanent makers.



Fig 3.5 AXI DRAW



Proposed System

Information is represented via an image of the studied record. The text in the checked report may be written using the client's handwriting or a specified textual style. The upcoming sections will demonstrate how this information picture is handled to achieve the best outcome. By programming the proposed framework, one can automatically form their job to make it simpler.

According to the title, this is a straightforward task using Arduino to create a composing machine at the workplace that can design any pattern and create many textual styles. This framework was implanted, and the PC Mathematical Control machine is what determines how it operates. It makes use of an Arduino development board, which is connected to similar engines, to provide the basic pen development on the paper. On the basis of the information picture that is taken care of in the framework. The Arduino board is coupled with one servo engine and two stepper engines to carry out the pen development and x-y hub gantry development independently. Z-pivot requires the pen that is attached to the structure. The servo engine aids in the pen's upward development so that the nib touches the paper only when something needs to be written and is elevated above when not needed. This z-hub pen movement combined with the x and y pivot development made possible by the stepper engines results in a two-layered sketch on the paper.

The main goal of this project is to finally see the text characters as they have been written down with the aid of a human handwriting arrangement. This is different from other innovations, like OCR to discourse acknowledgment, where the main idea is to read and pre-process the text in order to convert it to a discourse signal in the end.

Power supply

Stepper Motor

Software

Input text Text Text Detection Extraction Text Conversion Image/Text Generated User Interface Terminal Software

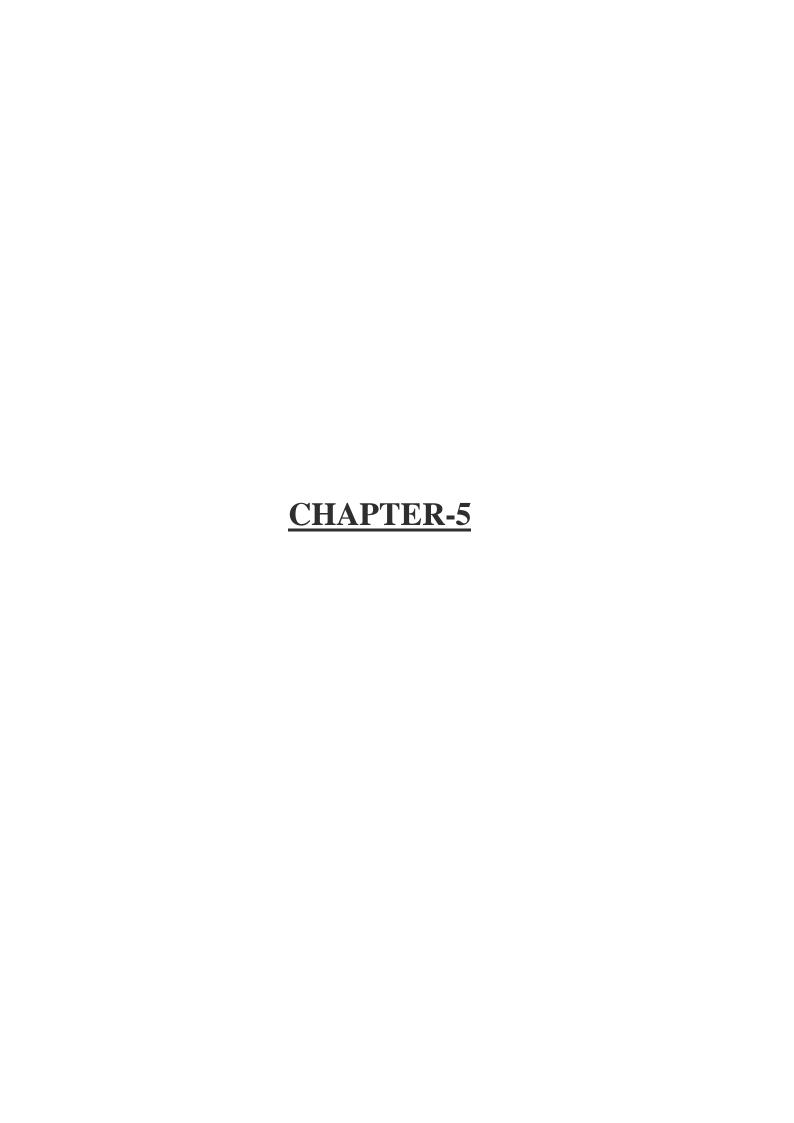
Block Diagram

Ardunio Board

Gantry setup

Pen movement

Servo motor



Tools Required

Hardware	Description
Processor	Intel Core i7 @ 2.70 GHz
Memory	8.00 GB
Hard Disk Space	256 GB
Device	HP Pavilion
2D CNC Plotter	Other hardware (Arduino UNO, Servo motor, etc)

Table 1. Hardware Requirements

Software	Description
Operating System	Microsoft Windows 10
Inkscape	Graphics application
G-Code	Command to change geometric details, control
	CNC machine
Programming IDE, Arduino IDE	Python, Embedded C
Browser	Google Chrome, Microsoft Edge

 Table 2. Software Requirements

Hardware:-

Stepper Motor:

Stepper can be converted to a computerized beat for pen development using X, Y, and Z heading pivots. A stepper engine is a brushless engine that divides a full turn into several comparable advances. Its ability to convert different driving pressures into a defined rise in shaft position makes it a well-known type of engine. The shaft passes through the right place with each heartbeat. Three stepper engines with lead screws have been used. The lead screw's pivot will be the engine as a result.



Fig 5.1 Stepper Motor

Specifications:

Step angle	1.8 degrees
Current	1.2 A/Phase
Holding Torque	4.2 Kg-Cm
Detent Torque	2.2N.Cm
Lead Wire	4
Shaft Diameter	5mm

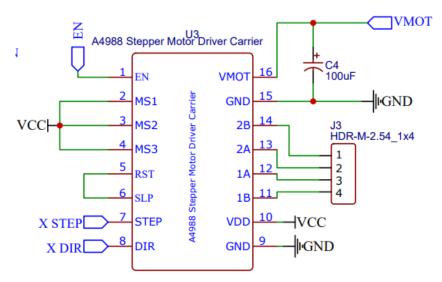


Fig 5.1.1 Pin Diagram of X-Axis Stepper Motor

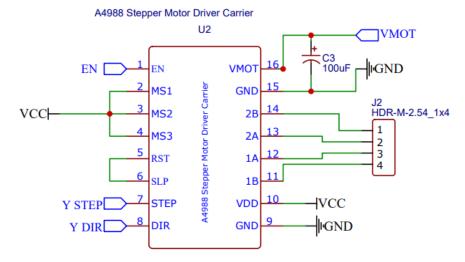


Fig 5.1.2 Pin Diagram of Y-Axis stepper Motor

Servo Motor:

A servo engine is special because it has the ability to receive a control signal that specifies the perfect position for the servo shift and then supply power to the DC engine until the shaft reaches that location.



Fig 5.2 Servo Motor

Specifications:

Weight	55gm
Dimensions	39.5mm*20.5mm*40.7mm
Operating Voltage	4.8 ~ 6.6 V
Gear type	Metal Gear
Temperature range	0- 55 Deg
Servo wire length	30 Cms
Speed	3000 – 5000 rpm
Operating Speed	0.20 sec / 60 Degrees (4.8 V)

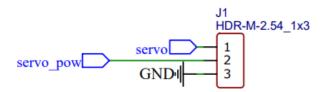


Fig 5.2.1 Pin Diagram of Servo Motor

Arduino:

The distinguishing feature of Arduino is that it receives commands or Information from a PC via a USB connection. It is put on a CNC guard, and using a stepper driver, it will transmit additional data from the Arduino to the guard. The Arduino UNO is a microcontroller board that includes all the necessary components to interface the microcontroller with a PC through a USB cable and a power source. With the use of a software, it directs the stepper engine's location. It is an open-source platform with user-friendly hardware and software programming.

These sophisticated and straight forward information/yield pins can connect to many boards, circuits, and microcontrollers with related components to help with programming and combining into various circuits. 5 volts are currently supplied together with a USB interface.

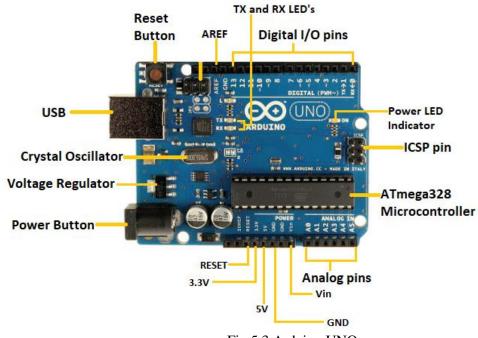


Fig 5.3 Arduino UNO

Specifications:

Micro Controller	ATmega328P
Operating Voltage	5 V
Input Voltage (Limit)	6-20V
Digital I/O Pins	14
Analog Input Pins	6
Clock Speed	16 MHz
DC Current For 3.3V Pin	50mA
DC Current PerI/O Pin	20mA

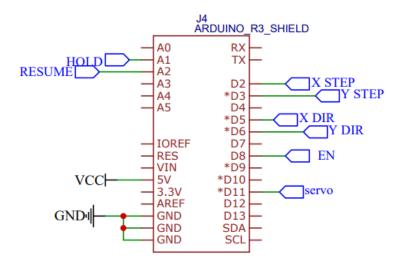


Fig 5.3.1 Pin Diagram for ARDUINO R3_SHEILD

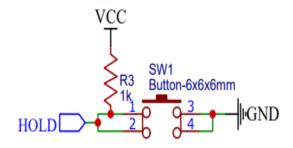


Fig 5.3.2 Pin diagram for HOLD Button

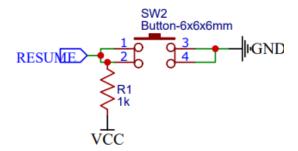


Fig 5.3.3Pin Diagram for RESUME Button

Linear Rods:

Long, thin, straight metal bars known as linear rods are frequently utilized in a variety of applications that call for load-bearing or structural support.

- 1. Robotics: Precision linear motion in the X, Y, and Z axes is provided by linear rods in robotics applications.
- 2. Manufacturing: In order to support numerous components, including convey or systems, assembly lines, and machining equipment, linear rods are employed in manufacturing processes.



Fig 5.4 Linear Rod - 450mm

Specifications:

Diameter	12mm
Length	450mm
Tolerance	-0.005mm to -0.03mm



Fig 5.5 Linear Rod - 350mm

Specifications:

Diameter	8mm
Length	350mm
Tolerance	-0.005mm to -0.03mm

SOFTWARE

ARDUINO IDE

Arduino is associate ASCII text file physics platform supported easy-to-use hardware and software system. Arduino IDE (Integrated Development Environment) is that the software system for Arduino. It's a text editor sort of a pad of paper with totally different options. It's used for writing code, assembling the code to see if any errors square measure there and uploading the code to the Arduino.

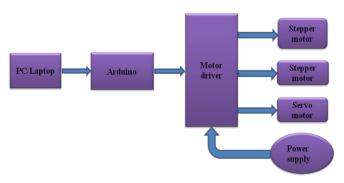


Fig 5.6: Arduino IDE

Inkscape 0.9.2

To create the plotted figure or text, use Inkscape. With this software, a G-code file of a chosen image or piece of text is made for this project. X, Y, and Z coordinates are part of the widely used numerical control programming language known as G-code..

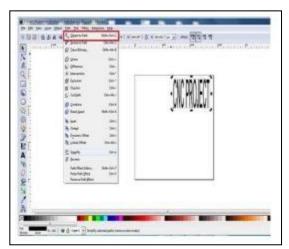


Fig 5.7 Inkscape 0.9.2

Creating G-Code File Using Inkscape

Our project's CNC plotter will operate within a 20cm-by-20cm region. Because the plotter can only draw in the first quadrant, we choose the document attributes of the Inkscape 40cmx40cm (Width Height) document, which is four times the working area of the plotter. As a result, we first kept the axes at the motors' closest end, which is thought of as an origin to quickly change the design. The working area of the CNC plotter with the text typed in the designated area. To save the text's G-code format, select "object to path" from the drop-down window after using the cursor to pick the desired text.

The image file must have a transparent background in order to generate the G-code for it. To generate a transparent picture, drag the image into the choosen area and then choose "trace bitmap" from the drop-down menu. The "Edge detection" option is used to produce black and white images while the scans are set to 8. Using the procedures outlined previously, we added this transparent image to the designated region and then used the "object to path" command to produce the G-code file for the choosen image.

G-CODER: -

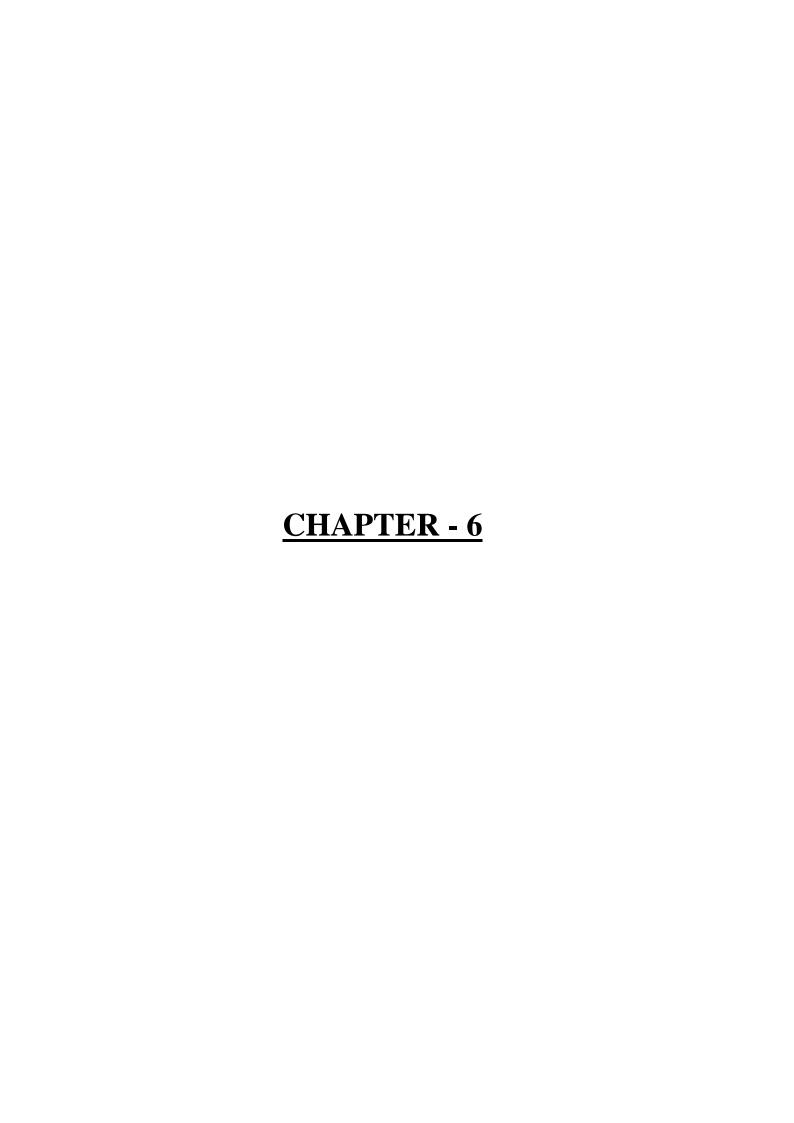
"G" is presenting this. G-codes are pre-defining functions linked to Machine Axis Movement. It is a two-digit number, such as G00, G81, or G90. It is possible to place multiple G addresses in a single block. As long as these Functions do not conflict with one another. G02 and G03, which are located together in a single block, are not permitted. The path that must be taken to create a whole design is specified by the g function. positioning with

ExG00- positioning.

G01- Linear interpolation

G02- Clockwise Circular Interpolation

G03- Counter clockwise Circular InterpolationG04- Dwell



WORKING

First, the system must have the Arduino software installed.

Once the devices are fixed, the programming code will be uploaded to the Arduino Uno board.

The system's sensors identify the user, retrieve user input from stored documents, and then return

the result and allow the user to begin writing on paper.

The speech-independent system is less effective than the sensor. Due to pattern matching's

inability to handle accents, varied delivery speeds, pitch, volume, and intonation, speaker-

independent

speech recognition has been shown to be highly challenging.

The automatic pen also serves the purpose of enabling the user to create a new document that

doesn't already exist on the hard drive or plates.

The new document is kept on the hard drive for subsequent use.

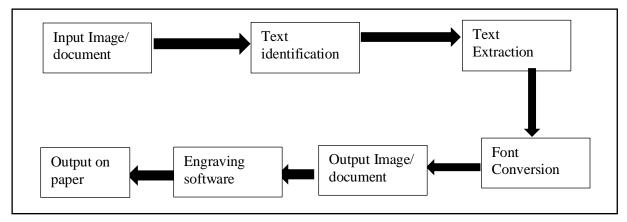
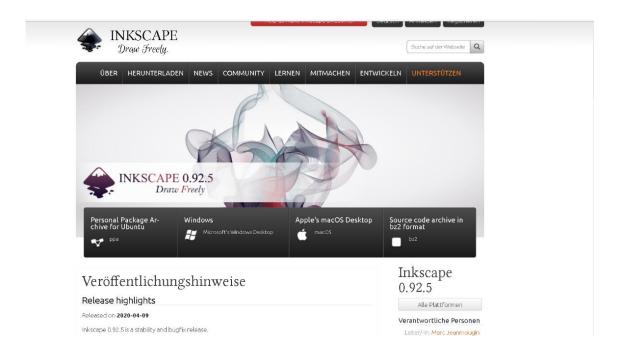
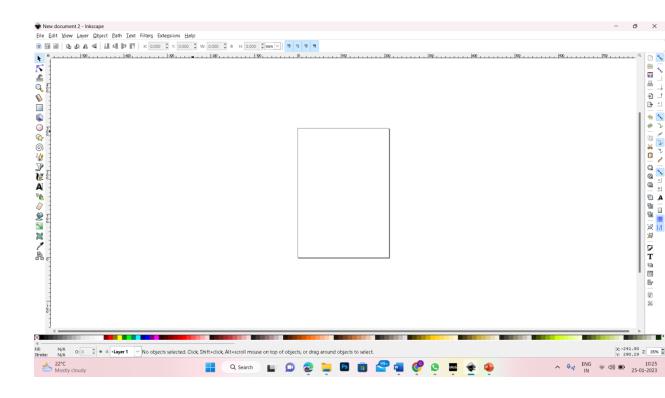


Fig 6.1The flowchart of the overall process in an automated writing machine

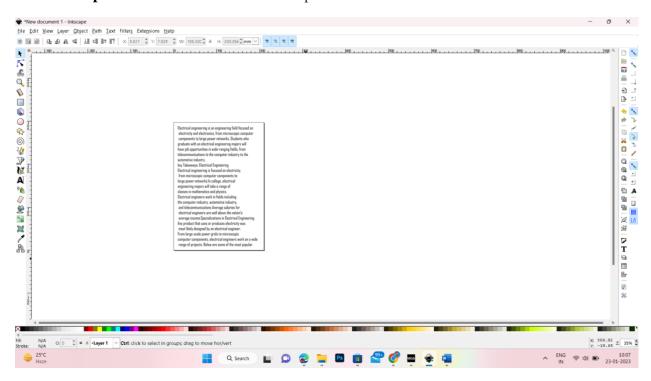
Step 1: Install Inkscape software 0.9.2



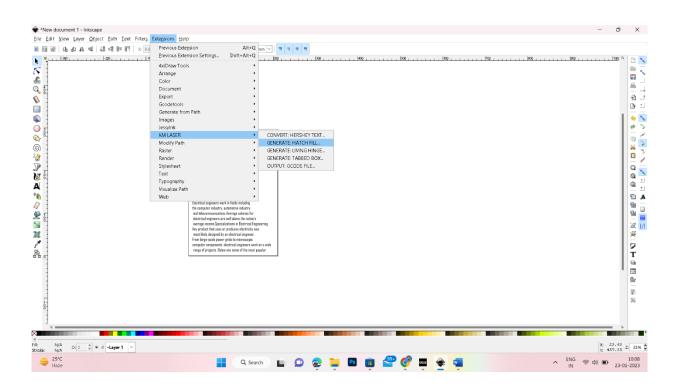
Step 2: Open the Inkscape application



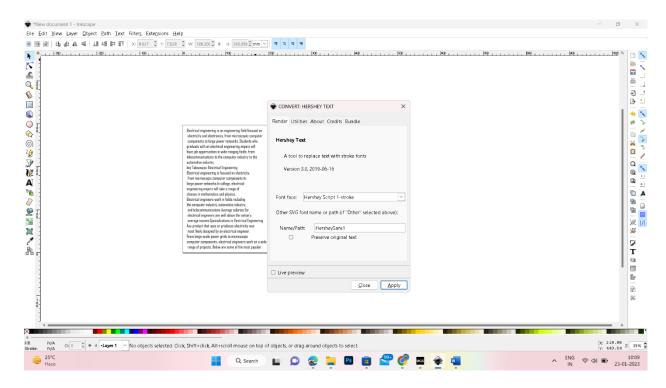
Step 3: After that we can take text option and text



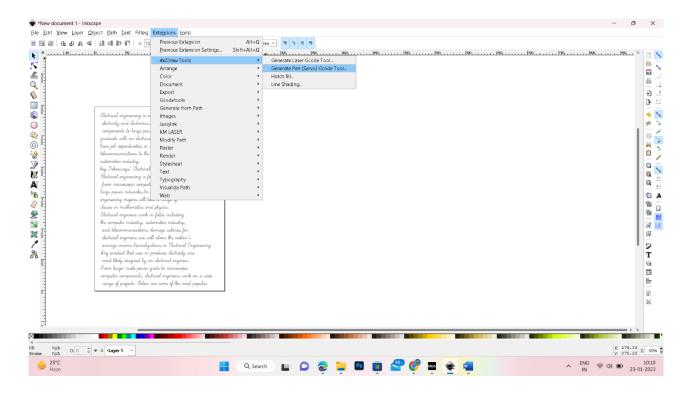
Step 4: We will go to the extension file and we can select "KM laser" in that file.In KM laser we can select "convert Hershey text" (for converting text into different fonts)



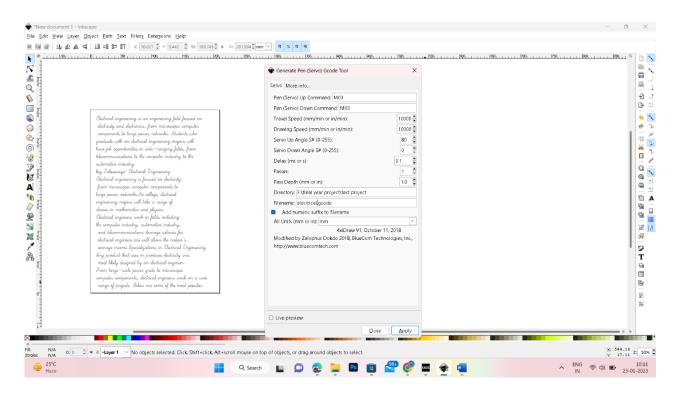
Step 5: After that font has been applied then it is converted in a selected font.



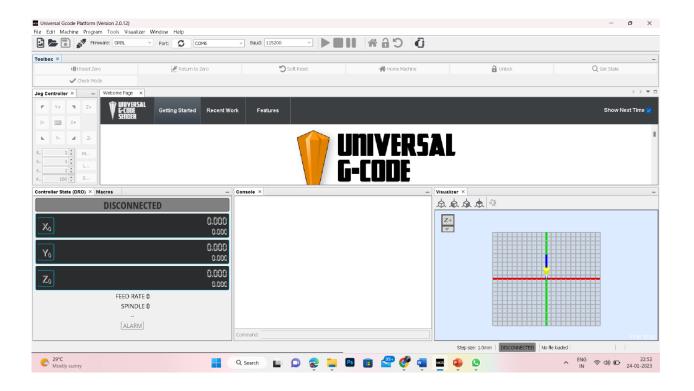
Step 6: We will go to the extension file to select "4xdraw tools" again and select "generate pen GCODE tool".



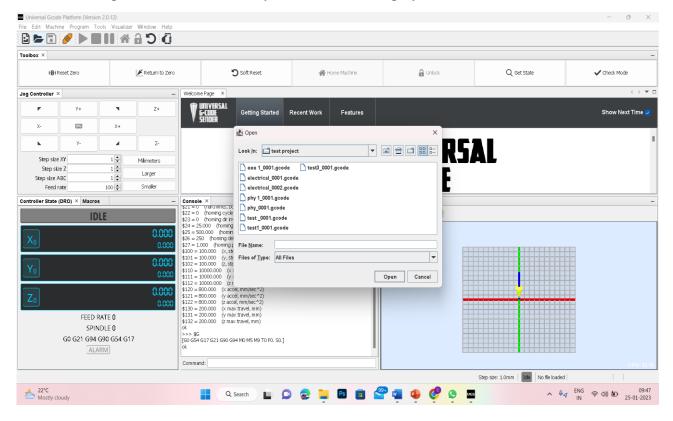
Step 7: We can select pen movement (up and down) travelling speed, servo angles and delay time. In dictionary we can select file location after we can give file name and click on the "apply" option.



Step 8: Next open UGP (universal G-Code platform) version 2.0.12. we can connect Arduino connection whether it is Connect or not.

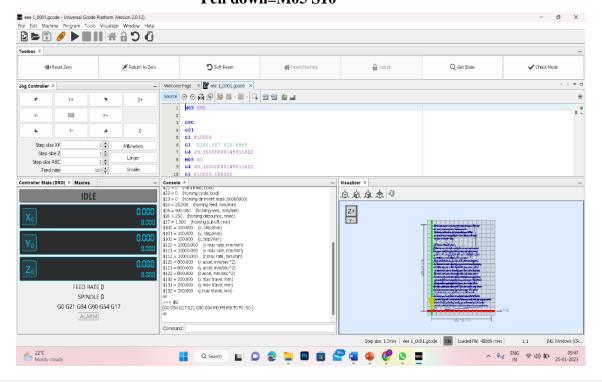


Step 9: Click on the connect or disconnect option. It is connected open file we can select file already which is saved in the inkscape after that we can select the file and open it. The automatically the source will display.



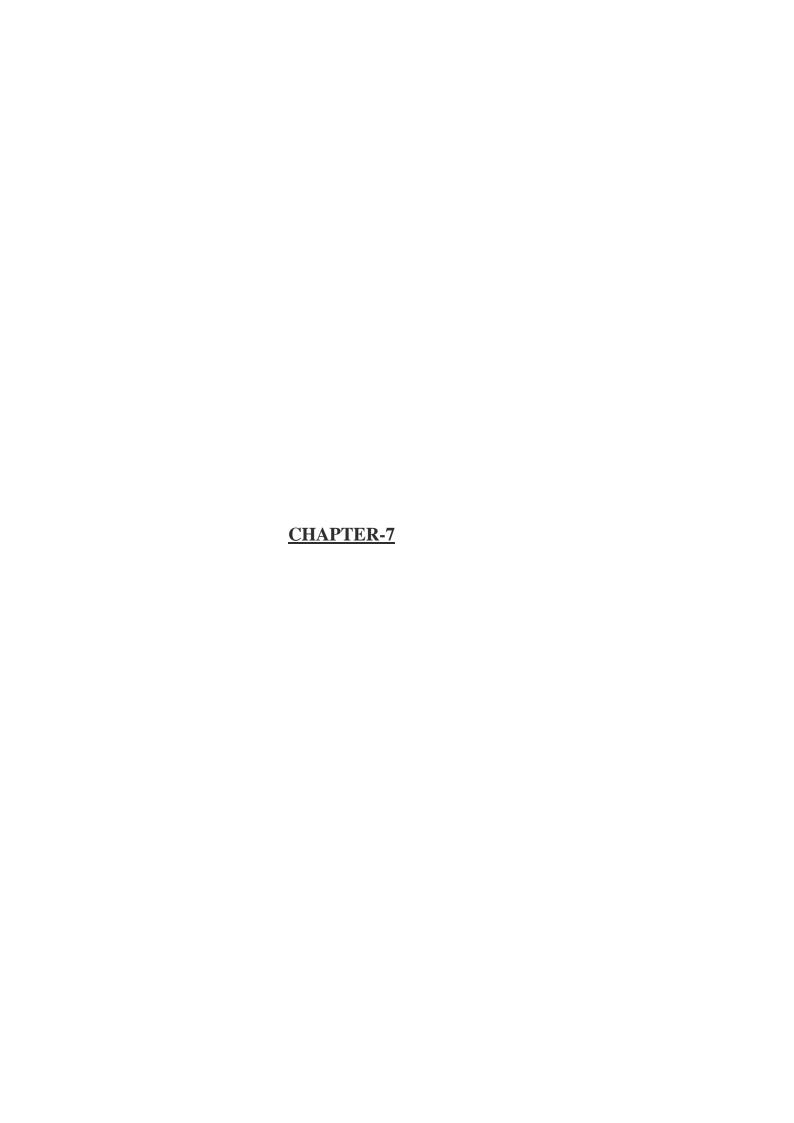
Step 10: In control state (DRO). We can set x-axis, y-axis and z-axis are zero. After we can run it. Before starting the pen movement in console we have to give commands for pen up and down

Pen up=M03 S80 Pen down=M05 S10



Step 11: After that it shows the pen movement how much speed it goes on x, y, and z-axis.





CODE	G4
	P0.10000000149011612
M03 S80	M03 S0
000	G4
G90 G21	P0.10000000149011612
G1 F10000	G1 F15000.000000 G1 X26.7157 Y230.3556
G1 Y10000 G1 X31.929 Y223.3807	G1 X26.7137 1230.5350 G1 X26.9316 Y230.5957
G4 K31.929 1223.3607	G1 X20.7310 1230.3737 G1 X27.2364 Y230.275
P0.10000000149011612	G1 X27.0522 Y229.8349
M03 S0	G1 X26.7538 Y229.3739
G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F15000.000000	M03 S80
G1 X31.7068 Y223.161	G4
G1 X31.9481 Y222.9007	P0.10000000149011612
G1 X32.1703 Y223.1007	G1 F10000
G1 X31.929 Y223.3807	G1 X25.452 Y232.7775
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S80	M03 S0
G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F10000 G1 X27.5659 Y222.2606	G1 F15000.000000 G1 X25.0774 Y232.9553
G1 A27.3039 1222.2000 G4	G1 X23.0774 1232.9333 G1 X24.7535 Y232.8982
P0.10000000149011612	G1 X24.7333 1232.8382 G1 X24.436 Y232.6569
M03 S0	G1 X24.430 1232.0307 G1 X24.3147 Y232.3584
G4	G1 X24.436 Y231.9774
P0.10000000149011612	G1 X24.7345 Y231.6155
G1 F15000.000000	G1 X24.9948 Y231.2535
G1 X28.2841 Y222.0186	G1 X25.1536 Y230.8979
G1 X28.8874 Y222.0377	G1 X25.1345 Y230.5753
G1 X29.3636 Y222.3806	G1 X24.8932 Y230.275
G1 X29.5478 Y222.9807	G1 X24.5567 Y230.0753
G1 X29.5287 Y223.4791	G1 X24.2747 Y229.9953
G1 X29.243 Y223.803	G1 X23.9147 Y230.1556
G1 X28.7667 Y223.9236	G4
G1 X28.4048 Y223.803	P0.10000000149011612
G1 X28.0047 Y223.6823	M03 S80
G1 X28.2841 Y225.4032	G4
G1 X28.5254 Y225.6 G1 X29.7256 Y225.581	P0.10000000149011612 G1 F10000
G1 A29.7230 1223.381 G4	G1 X22.0141 Y232.4727
P0.10000000149011612	G4 A22.0141 1232.4727
M03 S80	P0.10000000149011612
G4	M03 S0
P0.10000000149011612	G4
G1 F10000	P0.10000000149011612
G1 X27.0332 Y230.0353	G1 F15000.000000

G1 X22.3742 Y232.7775	G1 X17.8901 Y231.3742
G1 X22.5742 Y232.9172	G4
G1 X22.3742 Y231.8377	P0.10000000149011612
G1 X22.2142 Y230.8535	M03 S0
G1 X22.1938 Y230.3753	G4
G1 X22.1938 Y230.1753	P0.10000000149011612
G1 X22.3742 Y230.8154	G1 F15000.000000
G1 X22.6542 Y231.4377	G1 X18.3305 Y231.6536
G1 X22.8942 Y232.0727	G1 X18.8734 Y232.1933
G1 X23.1914 Y232.5743	G1 X19.0703 Y232.4727
G1 X23.3565 Y232.7775	G1 X19.1274 Y232.7775
G1 X23.5724 Y232.8728	G1 X19.0131 Y232.8982
G1 X23.8328 Y232.8537	G1 X18.7528 Y232.9172
G4	G1 X18.3305 Y232.6378
P0.10000000149011612	G1 X18.0098 Y232.1743
M03 S80	G1 X17.8301 Y231.4948
G4	G1 X17.7501 Y230.9551
P0.10000000149011612	G1 X17.8501 Y230.5156
G1 F10000	G1 X18.0701 Y230.1956
G1 X21.4325 Y232.714	G1 X18.2702 Y229.9953
G4	G1 X18.9496 Y230.6947
P0.10000000149011612	G1 X19.3878 Y231.1964
M03 S0	G1 X19.6926 Y231.6345
G4	G4
P0.10000000149011612	P0.10000000149011612
C1 E15000 000000	M02 C00
G1 F15000.000000	M03 S80
G1 X20.734 Y232.7585	G4
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362	G4 P0.10000000149011612
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949	G4 P0.10000000149011612 G1 F10000
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953 G1 X21.3309 Y230.3556	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773 G1 X16.0467 Y230.1556
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953 G1 X21.3309 Y230.3556 G1 X22.0294 Y231.1964	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773 G1 X16.0467 Y230.1556 G1 X16.5468 Y230.6947
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953 G1 X21.3309 Y230.3556 G1 X22.0294 Y231.1964 G1 X22.3342 Y231.6155	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773 G1 X16.0467 Y230.1556 G1 X16.5468 Y230.6947 G1 X16.9684 Y231.3551
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953 G1 X21.3309 Y230.3556 G1 X22.0294 Y231.1964 G1 X22.3342 Y231.6155 G4	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773 G1 X16.0467 Y230.1556 G1 X16.5468 Y230.6947 G1 X16.9684 Y231.3551 G1 X17.2669 Y231.9139
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953 G1 X21.3309 Y230.3556 G1 X22.0294 Y231.1964 G1 X22.3342 Y231.6155 G4 P0.100000000149011612	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773 G1 X16.0467 Y230.1556 G1 X16.5468 Y230.6947 G1 X16.9684 Y231.3551 G1 X17.2669 Y231.9139 G1 X17.6669 Y232.8156
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953 G1 X21.3309 Y230.3556 G1 X22.0294 Y231.1964 G1 X22.3342 Y231.6155 G4 P0.100000000149011612 M03 S80	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773 G1 X16.0467 Y230.1556 G1 X16.5468 Y230.6947 G1 X16.9684 Y231.3551 G1 X17.2669 Y231.9139 G1 X17.6669 Y232.8156 G1 X17.4637 Y231.8758
G1 X20.734 Y232.7585 G1 X20.2317 Y232.5362 G1 X19.8716 Y231.8949 G1 X19.7316 Y231.0757 G1 X19.7316 Y230.435 G1 X19.7916 Y230.1156 G1 X20.172 Y230.4953 G1 X20.7149 Y231.2535 G1 X21.0515 Y231.8187 G1 X21.3118 Y232.3584 G1 X21.4325 Y232.6378 G1 X21.1531 Y231.3932 G1 X21.0134 Y230.7773 G1 X20.9689 Y230.435 G1 X20.9308 Y230.0953 G1 X21.3309 Y230.3556 G1 X22.0294 Y231.1964 G1 X22.3342 Y231.6155 G4 P0.100000000149011612 M03 S80 G4	G4 P0.10000000149011612 G1 F10000 G1 X15.7467 Y232.5362 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X15.807 Y232.5553 G1 X16.1067 Y232.7775 G1 X16.3068 Y232.9172 G1 X16.1067 Y231.7933 G1 X15.9867 Y230.7773 G1 X16.0467 Y230.1556 G1 X16.5468 Y230.6947 G1 X16.9684 Y231.3551 G1 X17.2669 Y231.9139 G1 X17.4637 Y231.8758 G1 X17.2859 Y230.5353

G1 X16.7081 Y229.0374	G1 X22.5691 Y224.4634
G1 X16.3468 Y228.9167	G1 X22.5056 Y225.1809
G1 X15.6864 Y228.9739	G1 X22.2072 Y225.6
G4	G1 X21.8643 Y225.7016
P0.10000000149011612	G1 X21.5658 Y225.7016
M03 S80	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S80
G1 F10000	G4
G1 X16.8478 Y225.3397	P0.10000000149011612
G4	G1 F10000
P0.10000000149011612	G1 X24.3471 Y225.3397
M03 S0	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S0
G1 F15000.000000	G4
G1 X17.3494 Y225.581	P0.10000000149011612
G1 X17.8892 Y225.6635	G1 F15000.000000
G1 X18.2638 Y225.4794	G1 X24.8488 Y225.581
G1 X18.3654 Y225.0031	G1 X25.3885 Y225.6635
G1 X18.1876 Y224.438	G1 X25.7632 Y225.4794
G1 X17.705 Y223.8601	G1 X25.8648 Y225.0031
G1 X17.1272 Y223.321	G1 X25.687 Y224.438
G1 X16.5671 Y222.8607	G1 X25.2044 Y223.8601
G1 X17.1081 Y222.8607	G1 X24.6265 Y223.321
G1 X18.0479 Y222.9007	G1 X24.0665 Y222.8607
G1 X18.3083 Y222.881	G1 X24.6075 Y222.8607
G1 X18.448 Y222.9007	G1 X25.5473 Y222.9007
G1 X18.7274 Y223.0804	G1 X25.8076 Y222.881
G4	G1 X25.9473 Y222.9007
P0.10000000149011612	G1 X26.2267 Y223.0804
M03 S80	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S80
G1 F10000	G4
G1 X21.5658 Y225.7016	P0.10000000149011612
G4	G1 F10000
P0.10000000149011612	G1 X32.4751 Y232.714
M03 S0	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S0
G1 F15000.000000	G4
G1 X20.8673 Y225.4222	P0.10000000149011612
G1 X20.4482 Y224.819	G1 F15000.000000
G1 X20.2641 Y224.2221	G1 X31.7766 Y232.7585
G1 X20.3276 Y223.5426	G1 X31.2743 Y232.5362
G1 X20.5879 Y223.0004	G1 X30.9143 Y231.8949
G1 X21.1658 Y222.8607	G1 X30.7743 Y231.0757
G1 X21.8897 Y223.1407	G1 X30.7743 Y230.435
G1 X22.3659 Y223.7204	G1 X30.8343 Y230.1156
O1 1122.3037 1223.120T	01 7130.0373 1230.1130

G1 X31.2146 Y230.4953	P0.10000000149011612
G1 X31.7576 Y231.2535	M03 S80
G1 X32.0941 Y231.8187	G4
G1 X32.3545 Y232.3584	P0.10000000149011612
G1 X32.4751 Y232.6378	G1 F10000
G1 X32.1957 Y231.3932	G1 X39.2379 Y234.7968
G1 X32.056 Y230.7773	G4
G1 X32.0116 Y230.435	P0.10000000149011612
G1 X31.9735 Y230.0953	M03 S0
G1 X32.3735 Y230.3556	G4
G1 X33.072 Y231.1964	P0.10000000149011612
G1 X33.3768 Y231.6155	G1 F15000.000000
G4	G1 X38.7553 Y234.7968
P0.10000000149011612	G1 X38.3171 Y234.5365
M03 S80	G1 X38.0568 Y234.0983
G4	G1 X37.9171 Y233.4951
P0.10000000149011612	G1 X37.8155 Y232.7585
G1 F10000	G1 X37.7583 Y232.3584
G1 X33.3568 Y232.4981	G1 X37.4535 Y231.7742
G4	G1 X37.0344 Y231.0376
P0.10000000149011612	G1 X36.635 Y230.475
M03 S0	G1 X36.2153 Y230.0953
G4	G1 X36.1353 Y230.8344
P0.10000000149011612	G1 X36.2353 Y231.7171
G1 F15000.000000	G1 X36.4756 Y232.2759
G1 X33.7369 Y232.8156	G1 X36.6756 Y232.5553
G1 X33.9166 Y232.9363	G1 X36.9773 Y232.714
G1 X33.8169 Y232.4537	G1 X37.2948 Y232.7966
G1 X33.6969 Y231.6155	G1 X37.6123 Y232.7585
G1 X33.5768 Y231.0376	G1 X37.7583 Y232.5934
G1 X33.4968 Y230.4953	G1 X37.7363 1232.3734 G1 X37.6758 Y231.8568
G1 X33.4568 Y230.1556	G1 X37.5736 1231.6366 G1 X37.5932 Y230.9741
G1 X33.4772 Y230.0553	G1 X37.4154 Y230.0553
G1 X33.4568 Y230.475	G1 X37.4134 1230.0333 G1 X37.8726 Y230.4153
G1 X33.8772 Y231.0567	G1 X38.4124 Y231.0757
G1 X34.196 Y231.6726	G1 X38.8378 Y231.6345
G1 X34.5579 Y232.1933	G4
G1 X34.9389 Y232.6378	P0.10000000149011612
G1 X34.9389 1232.0378 G1 X35.1358 Y232.8728	M03 S80
G1 X35.1338 1232.8728 G1 X35.2374 Y232.8728	G4
G1 X35.2945 Y232.4537	P0.10000000149011612
G1 X35.1358 Y231.6726	G1 F10000
G1 X34.9961 Y231.0757	G1 X40.9994 Y232.4537
G1 X34.8754 Y230.6153	G4
G1 X34.7738 Y230.0353	P0.10000000149011612
G1 X35.1358 Y230.3353	M03 S0
G1 X35.6565 Y230.8725	G4
G1 X35.9359 Y231.2726	P0.10000000149011612
G1 X36.2153 Y231.6345	G1 F15000.000000
G4	G1 X41.3194 Y232.7585

G1 X41.4794 Y232.8347	M03 S80
G1 X41.1991 Y231.1583	G4
G1 X41.0787 Y230.5753	P0.10000000149011612
G1 X41.0787 Y230.0953	G1 F10000
G1 X41.5588 Y230.5156	G1 X46.8969 Y231.3742
G1 X41.9366 Y230.936	G4
G1 X42.4764 Y231.6345	P0.10000000149011612
G4	M03 S0
P0.10000000149011612	G4
M03 S80	P0.10000000149011612
G4	G1 F15000.000000
P0.10000000149011612	G1 X47.3373 Y231.6536
G1 F10000	G1 X47.8802 Y232.1933
G1 X44.1147 Y232.7775	G1 X48.0771 Y232.4727
G4	G1 X48.1342 Y232.7775
P0.10000000149011612	G1 X48.0199 Y232.8982
M03 S0	G1 X47.7596 Y232.9172
G4	G1 X47.3373 Y232.6378
P0.10000000149011612	G1 X47.0166 Y232.1743
G1 F15000.000000	G1 X46.8369 Y231.4948
G1 X43.74 Y232.9553	G1 X46.7569 Y230.9551
G1 X43.4162 Y232.8982	G1 X46.8569 Y230.5156
G1 X43.0987 Y232.6569	G1 X47.0769 Y230.1956
G1 X42.9774 Y232.3584	G1 X47.277 Y229.9953
G1 X43.0987 Y231.9774	G1 X47.9564 Y230.6947
G1 X43.3971 Y231.6155	G1 X48.3946 Y231.1964
G1 X43.6575 Y231.2535	G1 X48.6994 Y231.6345
G1 X43.8162 Y230.8979	G4
G1 X43.7972 Y230.5753	P0.10000000149011612
G1 X43.5559 Y230.275	M03 S80
G1 X43.2193 Y230.0753	G4
G1 X42.9374 Y229.9953	P0.10000000149011612
G1 X42.5773 Y230.1556	G1 F10000
G4	G1 X49.0988 Y232.5172
P0.10000000149011612	G4
M03 S80	P0.10000000149011612
G4	M03 S0
P0.10000000149011612	G4
G1 F10000	P0.10000000149011612
G1 X41.6388 Y234.0539	G1 F15000.000000
G4	G1 X49.4169 Y232.7775
P0.10000000149011612	G1 X49.6773 Y232.9172
M03 S0	G1 X50.598 Y230.0553
G4	G1 X50.9155 Y230.235
P0.10000000149011612	G1 X51.1187 Y230.475
G1 F15000.000000	G4
G1 X41.6388 Y233.7173	P0.10000000149011612
G1 X41.5791 Y233.6538	M03 S80
G4	G4
P0.10000000149011612	P0.10000000149011612

C1 E10000	C 4
G1 F10000	G4
G1 X51.4362 Y231.0757	P0.10000000149011612
G4	G1 F15000.000000
P0.10000000149011612	G1 X49.1985 Y230.1556
M03 S0	G1 X49.3598 Y230.2953
G4	G1 X49.5757 Y230.5753
P0.10000000149011612	G1 X50.3186 Y231.7552
G1 F15000.000000	G1 X50.7568 Y232.5743
G1 X51.4962 Y231.1138	G1 X50.979 Y232.7775
G1 X51.6763 Y231.7361	G1 X51.2965 Y232.8347
G1 X52.0966 Y232.314	G4
G1 X52.4776 Y232.714	P0.10000000149011612
G1 X52.6935 Y232.8728	M03 S80
G1 X52.7951 Y232.314	G4
G1 X52.7761 Y231.7361	P0.10000000149011612
G1 X52.6364 Y231.1138	G1 F10000
G1 X52.4395 Y230.5753	G1 X53.2977 Y231.3742
G1 X52.1982 Y230.235	G4
G1 X51.8763 Y230.1156	P0.10000000149011612
G1 X51.6166 Y230.1556	M03 S0
G1 X51.4562 Y230.275	G4
G1 X51.2959 Y230.5353	P0.10000000149011612
G4	G1 F15000.000000
P0.10000000149011612	G1 X53.7381 Y231.6536
M03 S80	G1 X54.281 Y232.1933
G4	G1 X54.4779 Y232.4727
P0.10000000149011612	G1 X54.535 Y232.7775
G1 F10000	G1 X54.4207 Y232.8982
G1 X51.1562 Y232.5362	G1 X54.1604 Y232.9172
G4 A31.1302 1232.3302	G1 X53.7381 Y232.6378
P0.10000000149011612	G1 X53.4174 Y232.1743
M03 S0	G1 X53.2377 Y231.4948
G4	G1 X53.1577 Y230.9551
P0.10000000149011612	G1 X53.1577 1230.9331 G1 X53.2577 Y230.5156
G1 F15000.000000	G1 X53.4777 Y230.1956
G1 X51.6559 Y232.8982	G1 X53.4777 1230.1930 G1 X53.6778 Y229.9953
G1 X51.0559 1252.8982 G1 X51.1365 Y229.4952	
	G1 X54.3572 Y230.6947
G1 X50.9765 Y228.9929	G1 X54.7954 Y231.1964
G1 X50.3758 Y228.5738	G1 X55.1002 Y231.6345
G1 X51.4962 Y229.1771	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S80
M03 S80	G4
G4	P0.10000000149011612
P0.10000000149011612	G1 F10000
G1 F10000	G1 X56.6369 Y232.7775
G1 X48.8988 Y230.1156	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S0
M03 S0	G4

P0.10000000149011612	G1 X112.7963
G1 F15000.000000	Y230.2153
G1 X56.3765 Y232.9172	G1 X113.1328
G1 X55.9574 Y232.8347	Y230.5957
G1 X55.4996 Y232.333	G1 X113.4376
G1 X108.3576	Y231.1583
Y231.6345	G1 X113.5964
G4	Y231.7361
P0.10000000149011612	G1 X113.5583
M03 S80	Y232.2949
G4	G1 X113.3741
P0.10000000149011612	Y232.5934
G1 F10000	G1 X113.2344
G1 X110.5573	Y232.8728
Y232.4537	G1 X112.635 Y232.5934
G4	G1 X112.2552
P0.10000000149011612	Y232.0981
M03 S0	G1 X111.9952
G4	Y231.5329
P0.10000000149011612	G1 X111.9552
G1 F15000.000000	Y231.0376
G1 X110.8773	G1 X112.0352
Y232.7585	Y230.5353
G1 X111.0373	G1 X112.1549
Y232.8347	Y230.2953
G1 X110.757 Y231.1583	G1 X112.3549
G1 X110.6366	Y230.0353
Y230.5753	G4
G1 X110.6366	P0.10000000149011612
Y230.0953	M03 S80
G1 X111.1167	G4
Y230.5156	P0.10000000149011612
G1 X111.4945 Y230.936	G1 F10000
G1 X112.0343	G1 X113.9955
Y231.6345	Y232.4981
G4 P0.1000000149011612	G4 P0.10000000149011612
	M03 S0
M03 S80 G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F10000	G1 F15000.000000
G1 X112.3549	G1 X114.3755
Y230.0353	Y232.8156
G4	G1 X114.5552
P0.10000000149011612	Y232.9363
M03 S0	G1 X114.4555
G4	Y232.4537
P0.10000000149011612	G1 X114.3355
G1 F15000.000000	Y231.6155
G1 X112.435 Y230.0353	G1 X114.2155
OT 1112.133 1230.0333	O1 11117.2133

T1004 00E 6	G1 F1 #000 00000
Y231.0376	G1 F15000.000000
G1 X114.1355	G1 X119.3546
Y230.4953	Y232.7585
G1 X114.0955	G1 X119.5146
Y230.1556	Y232.8347
G1 X114.1158	G1 X119.2342
Y230.0553	Y231.1583
G1 X114.0955 Y230.475	G1 X119.1139
G1 X114.5158	Y230.5753
Y231.0567	G1 X119.1139
G1 X114.8346	Y230.0953
Y231.6726	G1 X119.5939
G1 X115.1966	Y230.5156
Y232.1933	G1 X119.9718 Y230.936
G1 X115.5776	G1 X120.5115
Y232.6378	Y231.6345
G1 X115.7744	G4
Y232.8728	P0.10000000149011612
G1 X115.876 Y232.8728	M03 S80
G1 X115.9332	G4
Y232.4537	P0.10000000149011612
G1 X115.7744	G1 F10000
Y231.6726	G1 X120.4725
G1 X115.6347	Y232.4981
Y231.0757	G4
01 37115 5141	DO 10000000110011610
G1 X115.5141	P0.10000000149011612
Y230.6153	M03 S0
Y230.6153 G1 X115.4125	M03 S0 G4
Y230.6153 G1 X115.4125 Y230.0353	M03 S0 G4 P0.10000000149011612
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744	M03 S0 G4 P0.10000000149011612 G1 F15000.000000
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726	M03 S0 G4 P0.100000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.100000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.100000000149011612 M03 S80	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.100000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.100000000149011612 G1 F10000	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953 G1 X120.5725
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.100000000149011612 G1 F10000 G1 X119.0345	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953 G1 X120.5725 Y230.1556
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X119.0345 Y232.4537	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953 G1 X120.5725 Y230.1556 G1 X120.5928
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X119.0345 Y232.4537 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953 G1 X120.5725 Y230.1556 G1 X120.5928 Y230.0553
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X119.0345 Y232.4537 G4 P0.10000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953 G1 X120.5725 Y230.1556 G1 X120.5928 Y230.0553 G1 X120.5725 Y230.475
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X119.0345 Y232.4537 G4 P0.10000000149011612 M03 S0	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953 G1 X120.5725 Y230.1556 G1 X120.5928 Y230.0553 G1 X120.9929
Y230.6153 G1 X115.4125 Y230.0353 G1 X115.7744 Y230.3353 G1 X116.2951 Y230.8725 G1 X116.5745 Y231.2726 G1 X116.8539 Y231.6345 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X119.0345 Y232.4537 G4 P0.10000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X120.8525 Y232.8156 G1 X121.0322 Y232.9363 G1 X120.9325 Y232.4537 G1 X120.8125 Y231.6155 G1 X120.6925 Y231.0376 G1 X120.6125 Y230.4953 G1 X120.5725 Y230.1556 G1 X120.5928 Y230.0553 G1 X120.5725 Y230.475

Y231.6726	G1 X125.5909
G1 X121.6736	Y230.1753
Y232.1933	G1 X125.7712
G1 X122.0546	Y230.8154
Y232.6378	G1 X126.0513
G1 X122.2514	Y231.4377
Y232.8728	G1 X126.2913
G1 X122.353 Y232.8728	Y232.0727
G1 X122.4102	G1 X126.5885
Y232.4537	Y232.5743
G1 X122.2514	G1 X126.7536
Y231.6726	Y232.7775
G1 X122.1117	G1 X126.9695
Y231.0757	Y232.8728
G1 X121.9911	G1 X127.2298
Y230.6153	Y232.8537
G1 X121.8895	G4
Y230.0353	P0.10000000149011612
G1 X122.2514	M03 S80
Y230.3353	G4
G1 X122.7721	P0.10000000149011612
Y230.8725	G1 F10000
G1 X123.0515	G1 X128.4528
Y231.2726	Y232.4981
G1 X123.3309	G4
Y231.6345	P0.10000000149011612
Y231.6345 G4	P0.10000000149011612 M03 S0
G4	M03 S0
G4 P0.10000000149011612	M03 S0 G4
G4 P0.10000000149011612 M03 S80	M03 S0 G4 P0.10000000149011612
G4 P0.10000000149011612 M03 S80 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X125.7712	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X125.7712 Y232.7775	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X125.7712 Y232.7775 G1 X125.9712	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X125.7712 Y232.7775 G1 X125.9712 Y232.9172	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508 Y231.1583
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X125.7712 Y232.7775 G1 X125.9712 Y232.9172 G1 X125.7712	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508 Y231.1583 G1 X130.0365
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X125.7712 Y232.7775 G1 X125.9712 Y232.9172 G1 X125.7712 Y231.8377	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508 Y231.1583 G1 X130.0365 Y231.8377
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X125.7712 Y232.7775 G1 X125.9712 Y232.9172 G1 X125.7712 Y231.8377 G1 X125.6112	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508 Y231.1583 G1 X130.0365 Y231.8377 G1 X130.1508
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X125.7712 Y232.7775 G1 X125.9712 Y232.9172 G1 X125.7712 Y231.8377 G1 X125.6112 Y230.8535	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508 Y231.1583 G1 X130.0365 Y231.8377 G1 X130.1508 Y232.2124
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X125.7712 Y232.7775 G1 X125.7712 Y232.9172 G1 X125.7712 Y231.8377 G1 X125.6112 Y230.8535 G1 X125.5909	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508 Y231.1583 G1 X130.0365 Y231.8377 G1 X130.1508 Y232.2124 G1 X130.2334
G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X125.4112 Y232.4727 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.00000 G1 X125.7712 Y232.7775 G1 X125.9712 Y232.9172 G1 X125.7712 Y231.8377 G1 X125.6112 Y230.8535	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X128.4732 Y232.4981 G1 X128.7335 Y232.7775 G1 X129.0132 Y232.9172 G1 X129.0732 Y230.7582 G1 X129.1336 Y230.2153 G1 X129.4333 Y230.5753 G1 X129.7508 Y231.1583 G1 X130.0365 Y231.8377 G1 X130.1508 Y232.2124

G4	P0.10000000149011612
P0.10000000149011612	G1 F10000
M03 S80	G1 X132.4549
G4	Y232.4981
P0.10000000149011612	G4
G1 F10000	P0.10000000149011612
G1 X130.6534	M03 S0
Y231.3742	G4
G4	P0.10000000149011612
P0.10000000149011612	G1 F15000.000000
M03 S0	G1 X132.835 Y232.8156
G4	G1 X133.0147
P0.10000000149011612	Y232.9363
G1 F15000.000000	G1 X132.915 Y232.4537
G1 X131.0938	G1 X132.795 Y231.6155
Y231.6536	G1 X132.6749
G1 X131.6367	Y231.0376
Y232.1933	G1 X132.5949
G1 X131.8336	Y230.4953
Y232.4727	G1 X132.5549
G1 X131.8907	Y230.1556
Y232.7775	G1 X132.5753
G1 X131.7764	Y230.0553
Y232.8982	G1 X132.5549 Y230.475
G1 X131.5161	G1 X132.9753
Y232.9172	Y231.0567
G1 X131.0938	G1 X133.2941
Y232.6378	Y231.6726
G1 X130.7731	G1 X133.656 Y232.1933
Y232.1743	G1 X134.037 Y232.6378
G1 X130.5934	G1 X134.2339
Y231.4948	Y232.8728
G1 X130.5134	G1 X134.3355
Y230.9551	Y232.8728
G1 X130.6134	G1 X134.3926
Y230.5156	Y232.4537 G1 X134.2339
G1 X130.8334 Y230.1956	Y231.6726
G1 X131.0335	G1 X134.0942
Y229.9953	Y231.0757
G1 X131.7129	G1 X133.9735
Y230.6947	Y230.6153
G1 X132.1511	G1 X133.8719
Y231.1964	Y230.0353
G1 X132.4559	G1 X134.2339
Y231.6345	Y230.3353
G4	G1 X134.7546
P0.10000000149011612	Y230.8725
M03 S80	G1 X135.034 Y231.2726
G4	G1 X135.3134
	G1 71133.313T

Y231.6345	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S80
M03 S80	G4
G4	P0.10000000149011612
P0.10000000149011612	G1 F10000
G1 F10000	G1 X137.8353
G1 X135.0137	Y231.3742
Y232.5362	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S0
M03 S0	G4
G4	P0.10000000149011612
P0.10000000149011612	G1 F15000.000000
G1 F15000.000000	G1 X138.2756
G1 X135.4334	Y231.6536
Y232.8347	G1 X138.8186
G1 X135.5534	Y232.1933
Y232.9172	G1 X139.0154
G1 X135.3734	Y232.4727
Y232.1171	G1 X139.0726
G1 X135.2934	Y232.7775
Y231.3551	G1 X138.9583
G1 X135.2334	Y232.8982
Y230.8979	G1 X138.6979
G1 X135.2334 Y230.315	Y232.9172
G1 X135.2334	G1 X138.2756
Y230.0953	Y232.6378
G1 X135.5737	G1 X137.955 Y232.1743
Y230.4153	G1 X137.7753
G1 X136.0309	Y231.4948
Y231.0186	G1 X137.6953
G1 X136.3357	Y230.9551
Y231.5774	G1 X137.7953
G1 X136.6532	Y230.5156
Y232.2124	G1 X138.0153
G1 X136.9326	Y230.1956
Y232.8537	G1 X138.2153
G1 X136.7358	Y229.9953
Y232.0536	G1 X138.8948
G1 X136.5707	Y230.6947
Y231.2345	G1 X139.3329
G1 X136.4754	Y231.1964
Y230.5557	G1 X139.6377
G1 X136.431 Y230.0753	Y231.6345
G1 X136.9136 Y230.475	G4
G1 X137.3708	P0.10000000149011612
Y231.0376	M03 S80
G1 X137.8343	G4
Y231.6345	P0.10000000149011612
	_ 3,1000000117011012

G1 F10000	Y232.7775
G1 X141.3141	G1 X146.7357
Y232.7775	Y232.9172
G4	G1 X146.5357
P0.10000000149011612	Y231.7933
M03 S0	G1 X146.4157
G4	Y230.7773
P0.10000000149011612	G1 X146.4757
G1 F15000.000000	
G1 X140.9395	Y230.1556 G1 X146.9758
Y232.9553	Y230.6947
G1 X140.6156	G1 X147.3974
Y232.8982	Y231.3551
G1 X140.2981	G1 X147.6959
Y232.6569	Y231.9139
G1 X140.1768	G1 X148.0959
Y232.3584	Y232.8156
G1 X140.2981	G1 X147.8927
Y231.9774	Y231.8758
G1 X140.5966	G1 X147.7149
Y231.6155	Y230.5353
G1 X140.8569	G1 X147.5562
Y231.2535	Y229.6552
G1 X141.0157	G1 X147.3784
Y230.8979	Y229.2533
G1 X140.9966	G1 X147.1371
Y230.5753	Y229.0374
G1 X140.7553 Y230.275	G1 X146.7758
G1 X140.4188	Y228.9167
Y230.0753	G1 X146.1154
G1 X140.1368	Y228.9739
Y229.9953	G4
G1 X139.7768	P0.10000000149011612
Y230.1556	M03 S80
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S80	G1 F10000
G4	G1 X145.6766
P0.10000000149011612	Y234.8349
G1 F10000	G4
G1 X146.1757	P0.10000000149011612
Y232.5362	M03 S0
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S0	G1 F15000.000000
G4	G1 X145.1368
P0.10000000149011612	Y234.7778
G1 F15000.000000	G1 X144.6364
G1 X146.236 Y232.5553	Y234.3587
G1 X146.5357	G1 X144.3964

Y233.8126	G1 X150.6194
G1 X144.0964	Y231.0186
Y231.1964	G1 X150.4994
G1 X144.0164	Y230.5753
Y230.6153	G1 X150.3591
G1 X143.976 Y230.2953	Y230.0353
G1 X144.0564	G1 X150.8194
Y230.0353	Y230.4153
G1 X144.4567	G1 X151.3979
Y230.0953	Y231.0567
G1 X145.0987	G1 X151.817 Y231.6345
Y230.5353	G4
G1 X145.4162	P0.10000000149011612
Y231.2345	M03 S80
G1 X145.5559	G4
Y231.8568	P0.10000000149011612
G1 X145.575 Y232.3965	G1 F10000
G1 X145.5369	G1 X154.4024
Y232.8347	Y231.3742
G1 X144.9971	G4
Y232.2949	P0.10000000149011612
G1 X144.4364	M03 S0
Y231.4948	G4
G1 X144.0364 Y230.635	P0.10000000149011612
G4	G1 F15000.000000
P0.10000000149011612	G1 X154.8428
M03 S80	Y231.6536
G4	G1 X155.3857
P0.10000000149011612	Y232.1933
G1 F10000	G1 X155.5826
G1 X150.8798	Y232.4727
Y233.2157	G1 X155.6397
G4	Y232.7775
P0.10000000149011612	G1 X155.5254
M03 S0	Y232.8982
G4	G1 X155.2651
P0.10000000149011612	Y232.9172
G1 F15000.000000	G1 X154.8428
G1 X150.8594	Y232.6378
Y232.8347	G1 X154.5221
G1 X150.3997	Y232.1743
Y232.7966	G1 X154.3424
G1 X150.8594	Y231.4948
Y232.8537	G1 X154.2624
G1 X151.7027	Y230.9551
Y232.8728	G1 X154.3624
G1 X150.8594	Y230.5156
Y232.8537	G1 X154.5824
G1 X150.7394	Y230.1956
Y231.7552	G1 X154.7825
1 231.1332	G1 A154.7025

Y229.9953	Y229.0374
G1 X155.4619	G1 X158.9043
Y230.6947	Y228.9167
G1 X155.9001	G1 X158.2439
Y231.1964	Y228.9739
G1 X156.2049	G4
Y231.6345	P0.10000000149011612
G4	M03 S80
P0.10000000149011612	G4
M03 S80	P0.10000000149011612
G4	G1 F10000
P0.10000000149011612	G1 X160.4476
G1 F10000	Y231.3742
G1 X158.3042	G4
Y232.5362	P0.10000000149011612
G4	M03 S0
P0.10000000149011612	G4
M03 S0	P0.10000000149011612
G4	G1 F15000.000000
P0.10000000149011612	G1 X160.888 Y231.6536
G1 F15000.000000	G1 X161.4309
G1 X158.3645	Y232.1933
Y232.5553	G1 X161.6278
G1 X158.6642	Y232.4727
Y232.7775	G1 X161.6849
G1 X158.8643	Y232.7775
Y232.9172	G1 X161.5706
G1 X158.6642	Y232.8982
Y231.7933	G1 X161.3103
G1 X158.5442	Y232.9172
Y230.7773	G1 X160.888 Y232.6378
G1 X158.6042	G1 X160.5673
Y230.1556	Y232.1743
G1 X159.1043	G1 X160.3876
Y230.6947	Y231.4948
G1 X159.5259	G1 X160.3076
Y231.3551	Y230.9551
G1 X159.8244	G1 X160.4076
Y231.9139	Y230.5156
G1 X160.2244	G1 X160.6276
Y232.8156	Y230.1956
G1 X160.0212	G1 X160.8277
Y231.8758	Y229.9953
G1 X159.8434	G1 X161.5071
Y230.5353	Y230.6947
G1 X159.6847	G1 X161.9453
Y229.6552	Y231.1964
G1 X159.5069	G1 X162.2501
Y229.2533	Y231.6345
G1 X159.2656	G4

P0.10000000149011612	G1 X164.5716
M03 S80	Y232.4727
G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F10000	M03 S0
G1 X163.99 Y232.714	G 4
G4	P0.10000000149011612
P0.10000000149011612	G1 F15000.000000
M03 S0	G1 X164.9317
G4	Y232.7775
P0.10000000149011612	G1 X165.1317
G1 F15000.000000	Y232.9172
G1 X163.2915	G1 X164.9317
Y232.7585	Y231.8377
G1 X162.7892	G1 X164.7717
Y232.5362	Y230.8535
G1 X162.4291	G1 X164.7513
Y231.8949	Y230.3753
G1 X162.2891	G1 X164.7513
Y231.0757	Y230.1753
G1 X162.2891 Y230.435	G1 X164.9317
G1 X162.3491	Y230.8154
Y230.1156	G1 X165.2117
G1 X162.7295	Y231.4377
Y230.4953	G1 X165.4517
G1 X163.2724	Y232.0727
Y231.2535	G1 X165.7489
G1 X163.609 Y231.8187	Y232.5743
G1 X163.8693	G1 X165.914 Y232.7775
Y232.3584	G1 X166.1299
G1 X163.99 Y232.6378	Y232.8728
G1 X163.7106	G1 X166.3903
Y231.3932	Y232.8537
G1 X163.5709	G4
Y230.7773	P0.10000000149011612
G1 X163.5264 Y230.435	M03 S80
G1 X163.4883	G4
Y230.0953	P0.10000000149011612
G1 X163.8884	G1 F10000
Y230.3556	G1 X162.5876
G1 X164.5869	Y238.7357
Y231.1964	G4
G1 X164.8917	P0.10000000149011612
Y231.6155	M03 S0
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S80	G1 F15000.000000
G4	G1 X163.0279
P0.10000000149011612	Y239.0151
G1 F10000	G1 X163.5709

¥220 5540	C1 371 C4 4201
Y239.5549	G1 X164.4291
G1 X163.7677	Y237.6568
Y239.8343	G1 X164.4491
G1 X163.8249	Y237.4968
Y240.1391	G1 X164.8288
G1 X163.7106	Y237.9769
Y240.2597	G1 X165.1266
G1 X163.4502	Y238.5579
Y240.2788	G1 X165.3679
G1 X163.0279	Y239.1993
Y239.9994	G1 X165.4886
G1 X162.7073	Y239.4596
Y239.5358	G1 X165.7489
G1 X162.5276	Y240.2788
Y238.8564	G1 X165.5902 Y240.12
G1 X162.4476	G1 X165.6473
Y238.3166	Y237.9769
G1 X162.5476	G1 X165.6918
Y237.8772	Y237.5368
G1 X162.7676	G1 X166.0474
Y237.5571	Y237.9369
G1 X162.9676	G1 X166.3712
Y237.3568	Y238.5389
G1 X163.6471	G1 X166.6316
Y238.0563	Y239.1548
G1 X164.0852	G1 X166.7713
Y238.5579	Y239.6374
G1 X164.39 Y238.9961	G1 X166.8284
G4	Y240.1391
P0.10000000149011612	G1 X166.7903
M03 S80	Y240.2788
G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F10000	M03 S80
G1 X163.7893	G4
Y239.8787	P0.10000000149011612
G4	G1 F10000
P0.10000000149011612	G1 X164.6323
M03 S0	Y245.9703
G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F15000.000000	M03 S0
G1 X164.1093	G4
Y240.1581	P0.10000000149011612
G1 X164.3491	
Y240.2788	G1 F15000.000000 G1 X165.0726
G1 X164.4291 Y240.2152	Y246.2497
Y240.2153	G1 X165.6156
G1 X164.3891	Y246.7895
Y238.3801	G1 X165.8124

Y247.0689	G1 X164.2948
G1 X165.8696	Y245.7925
Y247.3737	G1 X164.6123
G1 X165.7553	Y246.2307
Y247.4943	G4
G1 X165.4949	P0.10000000149011612
Y247.5134	M03 S80
G1 X165.0726 Y247.234	G4
G1 X164.752 Y246.7704	P0.10000000149011612
G1 X164.5723 Y246.091	G1 F10000
G1 X164.4923	G1 X162.5739
Y245.5512	Y249.4311
G1 X164.5923	G4
Y245.1118	P0.10000000149011612
G1 X164.8123	M03 S0
Y244.7918	G4
G1 X165.0123	P0.10000000149011612
Y244.5914	G1 F15000.000000
G1 X165.6918	G1 X162.0342
Y245.2909	Y249.3739
G1 X166.1299	G1 X161.5338
Y245.7925	Y248.9548
G1 X166.4347	G1 X161.2938
Y246.2307	Y248.4087
G4	G1 X160.9937
P0.10000000149011612	Y245.7925
M03 S80	G1 X160.9137
G4	Y245.2115
P0.10000000149011612	G1 X160.8734
G1 F10000	Y244.8915
G1 X164.9933 Y249.393	G1 X160.9537
G4	Y244.6314
P0.10000000149011612	G1 X161.3541
M03 S0	Y244.6914
G4	G1 X161.9961
P0.10000000149011612	Y245.1315
G1 F15000.000000	G1 X162.3136
G1 X164.6948	Y245.8306
Y249.4501	G1 X162.4533
G1 X164.2313	Y246.4529
Y249.2723	G1 X162.4723
G1 X163.8331	Y246.9927
Y248.7897	G1 X162.4342
G1 X163.6928	Y247.4308
Y248.1928	G1 X161.8945
G1 X163.2527 Y245 2000	Y246.8911
Y245.2909	G1 X161.3338 Y246.091
G1 X163.193 Y244.6314 G1 X163.6731	G1 X160.9337
Y245.0515	Y245.2312 G4
1243.0313	O 1

P0.10000000149011612	G1 X158.656 Y246.2116
M03 S80	G1 X158.9163
G4	Y245.8497
P0.10000000149011612	G1 X159.0751
G1 F10000	Y245.4941
G1 X159.5158	G1 X159.056 Y245.1715
Y247.0498	G1 X158.8147
G4	Y244.8711
P0.10000000149011612	G1 X158.4782
M03 S0	Y244.6714
G4	G1 X158.1962
	Y244.5914
P0.10000000149011612	
G1 F15000.000000	G1 X157.8362
G1 X159.8358	Y244.7518
Y247.3546	G4
G1 X159.9958	P0.10000000149011612
Y247.4308	M03 S80
G1 X159.7155	G4
Y245.7544	P0.10000000149011612
G1 X159.5951	G1 F10000
Y245.1715	G1 X157.3542
G1 X159.5951	Y247.3737
Y244.6914	G4
G1 X160.0752	P0.10000000149011612
Y245.1118	M03 S0
G1 X160.453 Y245.5322	G4
G1 X160.9928	P0.10000000149011612
	P0.10000000149011612 G1 F15000.000000
G1 X160.9928 Y246.2307 G4	P0.10000000149011612 G1 F15000.000000 G1 X156.9796
G1 X160.9928 Y246.2307 G4 P0.10000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.100000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.1000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.1000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X158.9989	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941 G1 X157.0367
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X158.9989 Y247.5515	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941 G1 X157.0367 Y245.1715
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.1000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X158.9989 Y247.5515 G1 X158.675 Y247.4943	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941 G1 X157.0367 Y245.1715 G1 X156.7954
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.1000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X158.9989 Y247.5515 G1 X158.675 Y247.4943 G1 X158.3575 Y247.253	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941 G1 X157.0367 Y245.1715 G1 X156.7954 Y244.8711
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X158.9989 Y247.5515 G1 X158.675 Y247.4943 G1 X158.3575 Y247.253 G1 X158.2362	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941 G1 X157.0367 Y245.1715 G1 X156.7954 Y244.8711 G1 X156.4589
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X158.9989 Y247.5515 G1 X158.675 Y247.4943 G1 X158.3575 Y247.253 G1 X158.2362 Y246.9546	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941 G1 X157.0367 Y245.1715 G1 X156.7954 Y244.8711 G1 X156.4589 Y244.6714
G1 X160.9928 Y246.2307 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X159.3735 Y247.3737 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X158.9989 Y247.5515 G1 X158.675 Y247.4943 G1 X158.3575 Y247.253 G1 X158.2362	P0.10000000149011612 G1 F15000.000000 G1 X156.9796 Y247.5515 G1 X156.6557 Y247.4943 G1 X156.3382 Y247.253 G1 X156.2169 Y246.9546 G1 X156.3382 Y246.5736 G1 X156.6367 Y246.2116 G1 X156.897 Y245.8497 G1 X157.0558 Y245.4941 G1 X157.0367 Y245.1715 G1 X156.7954 Y244.8711 G1 X156.4589

G1 X155.8169	G4
Y244.7518	P0.10000000149011612
G4	M03 S80
P0.10000000149011612	G4
M03 S80	P0.10000000149011612
G4	G1 F10000
P0.10000000149011612	G1 X151.2328
G1 F10000	Y245.6719
G1 X154.7952	G4
Y247.3102	P0.10000000149011612
G4	M03 S0
P0.10000000149011612	G4
M03 S0	P0.10000000149011612
G4	G1 F15000.000000
P0.10000000149011612	G1 X151.2928 Y245.71
G1 F15000.000000	G1 X151.4728
G1 X154.0967	Y246.3323
Y247.3546	G1 X151.8932
G1 X153.5944	Y246.9101
Y247.1324	G1 X152.2742
G1 X153.2343 Y246.491	Y247.3102
G1 X153.0943	G1 X152.4901
Y245.6719	Y247.4689
G1 X153.0943	G1 X152.5917
Y245.0312	Y246.9101
G1 X153.1543	G1 X152.5727
Y244.7118	Y246.3323
G1 X153.5347	G1 F10000
Y245.0915	G1 X45.5053 Y240.0756
G1 X154.0776	G4
Y245.8497 G1 X154.4142	P0.10000000149011612 M03 S0
Y246.4148 G1 X154.6745	G4 P0.10000000149011612
Y246.9546	G1 F15000.000000
	G1 X44.8068 Y240.12
G1 X154.7952 Y247.234 G1 X154.5158	G1 X44.8068 1240.12 G1 X44.3045 Y239.8978
Y245.9894	G1 X43.9445 Y239.2564
	G1 X43.8045 Y238.4373
G1 X154.3761 Y245.3734	G1 X43.8045 Y237.7965
G1 X154.3316	G1 X43.8645 Y237.4771
Y245.0312	G1 X44.2448 Y237.8569
G1 X154.2935	G1 X44.2448 1237.8369 G1 X44.7878 Y238.6151
Y244.6914	G1 X45.1243 Y239.1802
G1 X154.6936	G1 X45.3847 Y239.72
Y244.9518	G1 X45.5053 Y239.9994
G1 X155.3921	G1 X45.2259 Y238.7548
Y245.7925	G1 X45.0862 Y238.1388
G1 X155.6969	G1 X45.0862 Y238.1388 G1 X45.0418 Y237.7965
Y246.2116	G1 X45.0418 Y237.7965 G1 X45.0037 Y237.4568
1270.2110	G1 A43.003/ 123/.4308

G1 X45.4037 Y237.7172	G4
G1 X46.1022 Y238.5579	P0.10000000149011612
G1 X46.407 Y238.977	G1 F15000.000000
G4	G1 X37.3995 Y239.0151
P0.10000000149011612	G1 X37.9425 Y239.5549
M03 S80	G1 X38.1393 Y239.8343
G4	G1 X38.1965 Y240.1391
P0.10000000149011612	G1 X38.0822 Y240.2597
G1 F10000	G1 X37.8218 Y240.2788
G1 X41.8033 Y242.1584	G1 X37.3995 Y239.9994
G4	G1 X37.0789 Y239.5358
P0.10000000149011612	G1 X36.8992 Y238.8564
M03 S0	G1 X36.8192 Y238.3166
G4	G1 X36.9192 Y237.8772
P0.10000000149011612	G1 X37.1392 Y237.5571
G1 F15000.000000	G1 X37.3392 Y237.3568
G1 X41.3207 Y242.1584	G1 X38.0187 Y238.0563
G1 X40.8825 Y241.898	G1 X38.4568 Y238.5579
G1 X40.6222 Y241.4599	G1 X38.7616 Y238.9961
G1 X40.4825 Y240.8566	G4
G1 X40.3809 Y240.12	P0.10000000149011612
G1 X40.3237 Y239.72	M03 S80
G1 X40.0189 Y239.1358	G4
G1 X39.5998 Y238.3992	P0.10000000149011612
G1 X39.2004 Y237.8365	G1 F10000
G1 X38.7807 Y237.4568	G1 X35.9803 Y242.1965
G1 X38.7007 Y238.196	G4
G1 X38.8007 Y239.0786	P0.10000000149011612
G1 X38.8007 Y239.0786 G1 X39.041 Y239.6374	P0.10000000149011612 M03 S0
G1 X39.041 Y239.6374	M03 S0
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168	M03 S0 G4
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12	M03 S0 G4 P0.10000000149011612
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581	M03 S0 G4 P0.10000000149011612 G1 F15000.000000
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4 P0.100000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595 G1 X34.9383 Y239.0596
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4 P0.10000000149011612 M03 S80	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595 G1 X34.9383 Y239.0596 G1 X35.3961 Y239.72
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4 P0.100000000149011612 M03 S80 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595 G1 X34.9383 Y239.0596 G1 X35.3961 Y239.72 G1 X35.7581 Y240.0946
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.100000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595 G1 X34.9383 Y239.0596 G1 X35.3961 Y239.72 G1 X35.7581 Y240.0946 G1 X35.9168 Y240.1391
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595 G1 X34.9383 Y239.0596 G1 X35.3961 Y239.72 G1 X35.7581 Y240.0946 G1 X35.9168 Y240.1391 G1 X35.9803 Y239.7962
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X36.9592 Y238.7357 G4 P0.100000000149011612	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595 G1 X34.9383 Y239.0596 G1 X35.3961 Y239.72 G1 X35.7581 Y240.0946 G1 X35.9168 Y240.1391 G1 X35.9803 Y239.7962 G1 X35.7962 Y238.9961
G1 X39.041 Y239.6374 G1 X39.241 Y239.9168 G1 X39.5427 Y240.0756 G1 X39.8602 Y240.1581 G1 X40.1777 Y240.12 G1 X40.3237 Y239.9549 G1 X40.2412 Y239.2183 G1 X40.1586 Y238.3357 G1 X39.9808 Y237.4168 G1 X40.438 Y237.7769 G1 X40.9778 Y238.4373 G1 X41.4032 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X36.9592 Y238.7357 G4	M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.5612 Y242.1965 G1 X35.1802 Y242.0187 G1 X34.7579 Y241.4599 G1 X34.6583 Y240.8376 G1 X34.5382 Y240.0756 G1 X34.4182 Y239.1548 G1 X34.3179 Y238.4182 G1 X34.1585 Y237.5171 G1 X34.4782 Y238.2595 G1 X34.9383 Y239.0596 G1 X35.7581 Y240.0946 G1 X35.9168 Y240.1391 G1 X35.9803 Y239.7962 G1 X35.7962 Y238.9961 G1 X35.6374 Y238.2595

G1 X36.0565 Y237.8772	G1 X31.4337 Y239.72
G1 X36.6407 Y238.5579	G1 X31.5544 Y239.9994
G1 X36.9201 Y238.9961	G1 X31.275 Y238.7548
G4	G1 X31.1353 Y238.1388
P0.10000000149011612	G1 X31.0908 Y237.7965
M03 S80	G1 X31.0527 Y237.4568
G4	G1 X31.4528 Y237.7172
P0.10000000149011612	G1 X32.1513 Y238.5579
G1 F10000	G1 X32.4561 Y238.977
G1 X33.9737 Y240.1391	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S80
M03 S0	G4
G4	P0.10000000149011612
P0.10000000149011612	G1 F10000
G1 F15000.000000	G1 X28.012 Y238.7357
G1 X33.7134 Y240.2788	G4
G1 X33.2943 Y240.1962	P0.10000000149011612
G1 X32.8364 Y239.6946	M03 S0
G1 X32.6561 Y239.2945	G4
G1 X32.4961 Y238.8754	P0.10000000149011612
G1 X32.4761 Y238.3992	G1 F15000.000000
G1 X32.5161 Y237.9369	G1 X28.4524 Y239.0151
G1 X32.6561 Y237.5965	G1 X28.9953 Y239.5549
G1 X32.9361 Y237.3368	G1 X29.1922 Y239.8343
G1 X33.3959 Y237.7572	G1 X29.2493 Y240.1391
G1 X33.8975 Y238.2976	G1 X29.135 Y240.2597
G1 X34.4182 Y238.9961	G1 X28.8747 Y240.2788
G4	G1 X28.4524 Y239.9994
P0.10000000149011612	G1 X28.1317 Y239.5358
M03 S80	G1 X27.952 Y238.8564
G4	G1 X27.872 Y238.3166
P0.10000000149011612	G1 X27.972 Y237.8772
G1 F10000	G1 X28.192 Y237.5571
G1 X31.5544 Y240.0756	G1 X28.3921 Y237.3568
G4	G1 X29.0715 Y238.0563
P0.10000000149011612	G1 X29.5097 Y238.5579
M03 S0	G1 X29.8145 Y238.9961
G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F15000.000000	M03 S80
G1 X30.8559 Y240.12	G4
G1 X30.3536 Y239.8978	P0.10000000149011612
G1 X29.9935 Y239.2564	G1 F10000
G1 X29.8535 Y238.4373	G1 X26.2115 Y239.8343
G1 X29.8535 Y237.7965	G4
G1 X29.9135 Y237.4771	P0.10000000149011612
G1 X30.2939 Y237.8569	M03 S0
G1 X30.8368 Y238.6151	G4
G1 X31.1734 Y239.1802	P0.10000000149011612

G1 F15000.000000	G1 X24.1503 Y238.9961
G1 X26.5715 Y240.1391	G4
G1 X26.7716 Y240.2788	P0.10000000149011612
G1 X26.5715 Y239.1993	M03 S80
G1 X26.4115 Y238.215	G4
G1 X26.3912 Y237.7369	P0.10000000149011612
G1 X26.3912 Y237.5368	G1 F10000
G1 X26.5715 Y238.1769	G1 X18.6693 Y239.8597
G1 X26.8516 Y238.7992	G4
G1 X27.0916 Y239.4342	P0.10000000149011612
G1 X27.3888 Y239.9359	M03 S0
G1 X27.5539 Y240.1391	G4
G1 X27.7698 Y240.2343	P0.10000000149011612
G1 X28.0301 Y240.2153	G1 F15000.000000
G4	G1 X19.0493 Y240.1772
P0.10000000149011612	G1 X19.0493 1240.1772 G1 X19.229 Y240.2978
M03 S80	G1 X19.1293 Y239.8152
G4	G1 X19.0093 Y238.977
P0.10000000149011612	
	G1 X18.8893 Y238.3992
G1 F10000	G1 X18.8093 Y237.8569
G1 X24.5503 Y242.1584	G1 X18.7693 Y237.5171
G4	G1 X18.7896 Y237.4168
P0.10000000149011612	G1 X18.7693 Y237.8365
M03 S0	G1 X19.1897 Y238.4182
G4	G1 X19.5084 Y239.0342
P0.10000000149011612	G1 X19.8704 Y239.5549
G1 F15000.000000	G1 X20.2514 Y239.9994
G1 X24.0677 Y242.1584	G1 X20.4482 Y240.2343
G1 X23.6296 Y241.898	G1 X20.5498 Y240.2343
	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152
G1 X23.6296 Y241.898	G1 X20.5498 Y240.2343
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.4477 Y238.196	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5477 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.100000000149011612
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5277 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.10000000149011612 M03 S80
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5477 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.100000000149011612 M03 S80 G4
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5477 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756 G1 X22.6072 Y240.1581	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5277 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756 G1 X22.6072 Y240.1581 G1 X22.9247 Y240.12	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5477 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756 G1 X22.6072 Y240.1581 G1 X22.9247 Y240.12 G1 X23.0708 Y239.9549	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X17.7876 Y240.0756
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5477 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756 G1 X22.6072 Y240.1581 G1 X22.9247 Y240.12 G1 X23.0708 Y239.9549 G1 X22.9882 Y239.2183	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X17.7876 Y240.0756 G4
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5277 Y237.4568 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756 G1 X22.6072 Y240.1581 G1 X22.9247 Y240.12 G1 X23.0708 Y239.9549 G1 X22.9882 Y239.2183 G1 X22.9057 Y238.3357	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X17.7876 Y240.0756 G4 P0.10000000149011612
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5477 Y238.196 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756 G1 X22.2897 Y240.1581 G1 X22.9247 Y240.12 G1 X23.0708 Y239.9549 G1 X22.9882 Y239.2183 G1 X22.9057 Y238.3357 G1 X22.7279 Y237.4168	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.100000000149011612 M03 S80 G4 P0.100000000149011612 G1 F10000 G1 X17.7876 Y240.0756 G4 P0.10000000149011612 M03 S0
G1 X23.6296 Y241.898 G1 X23.3692 Y241.4599 G1 X23.2295 Y240.8566 G1 X23.1279 Y240.12 G1 X23.0708 Y239.72 G1 X22.766 Y239.1358 G1 X22.3469 Y238.3992 G1 X21.9475 Y237.8365 G1 X21.5277 Y237.4568 G1 X21.5277 Y237.4568 G1 X21.5477 Y239.0786 G1 X21.7881 Y239.6374 G1 X21.9881 Y239.9168 G1 X22.2897 Y240.0756 G1 X22.6072 Y240.1581 G1 X22.9247 Y240.12 G1 X23.0708 Y239.9549 G1 X22.9882 Y239.2183 G1 X22.9057 Y238.3357	G1 X20.5498 Y240.2343 G1 X20.607 Y239.8152 G1 X20.4482 Y239.0342 G1 X20.3085 Y238.4373 G1 X20.1879 Y237.9769 G1 X20.0863 Y237.3968 G1 X20.4482 Y237.6968 G1 X20.9689 Y238.2341 G1 X21.2483 Y238.6341 G1 X21.5277 Y238.9961 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X17.7876 Y240.0756 G4 P0.10000000149011612

G1 F15000.000000	M03 S0
G1 X17.0891 Y240.12	G4
G1 X16.5868 Y239.8978	P0.10000000149011612
G1 X16.2267 Y239.2564	G1 F15000.000000
G1 X16.0867 Y238.4373	G1 X19.4068 Y246.4148
G1 X16.0867 Y237.7965	G1 X18.1241 Y246.4148
G1 X16.1467 Y237.4771	G1 X19.4068 Y246.4148
G1 X16.5271 Y237.8569	G1 X19.4259 Y245.4306
G1 X17.07 Y238.6151	G1 X19.5084 Y244.9315
G1 X17.4066 Y239.1802	G1 X19.7053 Y244.6914
G1 X17.4000 1239.1802 G1 X17.6669 Y239.72	
	G1 X19.864 Y244.6514
G1 X17.7876 Y239.9994	G1 X20.2895 Y244.8711
G1 X17.5082 Y238.7548	G4
G1 X17.3685 Y238.1388	P0.10000000149011612
G1 X17.324 Y237.7965	M03 S80
G1 X17.2859 Y237.4568	G4
G1 X17.686 Y237.7172	P0.10000000149011612
G1 X18.3845 Y238.5579	G1 F10000
G1 X18.6893 Y238.977	G1 X20.6298 Y247.1133
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S80	M03 S0
G4	G4
P0.10000000149011612	P0.10000000149011612
G1 F10000	G1 F15000.000000
G1 X16.1867 Y244.6714	G1 X21.1302 Y247.4943
G4	G1 X21.0299 Y246.7323
P0.10000000149011612	G1 X20.8899 Y245.8941
M03 S0	G1 X20.7899 Y245.1715
G4	G1 X20.7302 Y244.8115
P0.10000000149011612	G1 X21.1302 Y245.6909
G1 F15000.000000	G1 X21.5303 Y246.472
G1 X16.7271 Y244.6714	G1 X21.9087 Y247.0308
G1 X17.0256 Y244.8115	G1 X21.9087 1247.0308 G1 X22.2326 Y247.3737
G1 X17.3685 Y245.1315	G1 X22.2320 1247.3737 G1 X22.3913 Y247.4308
G1 X19.4068 Y248.8151	G1 X22.4929 Y247.3102
G1 X18.3083 Y248.8151	G1 X22.3469 Y246.6942
G1 X17.6288 Y248.5548	G1 X22.131 Y245.6147
G1 X17.2288 Y248.1103	G1 X21.9532 Y244.6714
G1 X17.0891 Y247.6912	G1 X22.15 Y245.329
G1 X17.0446 Y247.1895	G1 X22.4929 Y246.0084
G4	G1 X22.9501 Y246.7323
P0.10000000149011612	G1 X23.293 Y247.234
M03 S80	G1 X23.5724 Y247.4499
G4	G1 X23.7121 Y247.3737
P0.10000000149011612	G1 X23.5089 Y246.3513
G1 F10000	G1 X23.3121 Y245.5131
G1 X19.4894 Y248.8342	G1 X23.2105 Y244.9918
G4	G1 X23.1914 Y244.6314
P0.10000000149011612	G1 X23.7502 Y245.1118

G1 X24.2074 Y245.6719	G1 X27.4701 Y244.6514
G1 X24.6075 Y246.2307	G1 X27.8714 Y244.8115
G4	G1 X28.3921 Y244.7714
P0.10000000149011612	G1 X28.9318 Y244.6714
M03 S80	G1 X29.1477 Y244.6314
G4	G1 X29.4081 Y244.8311
P0.10000000149011612	G4
G1 F10000	P0.10000000149011612
G1 X26.3283 Y247.3102	M03 S80
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S0	G1 F10000
G4	G1 X30.0526 Y244.6314
P0.10000000149011612	G4 A30.0320 1244.0314
G1 F15000.000000	P0.10000000149011612
G1 X25.6298 Y247.3546	M03 S0
G1 X25.1275 Y247.1324	G4
G1 X24.7675 Y246.491	P0.10000000149011612
G1 X24.6275 Y245.6719	G1 F15000.000000 G1 X30.1326 Y244.6314
G1 X24.6275 Y245.0312	
G1 X24.6875 Y244.7118	G1 X30.4939 Y244.8115
G1 X25.0678 Y245.0915	G1 X30.8305 Y245.1918
G1 X25.6108 Y245.8497	G1 X31.1353 Y245.7544
G1 X25.9473 Y246.4148	G1 X31.294 Y246.3323
G1 X26.2077 Y246.9546	G1 X31.2559 Y246.8911
G1 X26.3283 Y247.234	G1 X31.0718 Y247.1895
G1 X26.0489 Y245.9894	G1 X30.9321 Y247.4689
G1 X25.9092 Y245.3734	G1 X30.3326 Y247.1895
G1 X25.8648 Y245.0312	G1 X29.9529 Y246.6942
G1 X25.8267 Y244.6914	G1 X29.6929 Y246.1291
G1 X26.2267 Y244.9518	G1 X29.6529 Y245.6338
G1 X26.9252 Y245.7925	G1 X29.7329 Y245.1315
G1 X27.23 Y246.2116	
G4	G1 X29.8526 Y244.8915
P0.10000000149011612	G1 X30.0526 Y244.6314
M03 S80	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S80
G1 F10000	G4
G1 X27.7901 Y247.0943	P0.10000000149011612
G4	G1 F10000
P0.10000000149011612	G1 X31.6931 Y247.0943
M03 S0	G4
G4	P0.10000000149011612
P0.10000000149011612	M03 S0
G1 F15000.000000	G4
G1 X28.2079 Y247.3737	P0.10000000149011612
G1 X28.4683 Y247.4118	G1 F15000.000000
G1 X28.989 Y247.3546	G1 X32.0732 Y247.4118
G1 X29.3509 Y247.3546	G1 X32.0732 1247.4118 G1 X32.2529 Y247.5324
O1 A27.3307 1247.3340	OI A32.2329 I 241.3324

G1 X32.1532 Y247.0498	G4
G1 X32.0332 Y246.2116	P0.10000000149011612
G1 X31.9131 Y245.6338	G1 F15000.000000
G1 X31.8331 Y245.0915	G1 X39.6519 Y247.4308
G1 X31.7931 Y244.7518	G1 X39.1922 Y247.3927
G1 X31.8135 Y244.6514	G1 X39.6519 Y247.4499
G1 X31.7931 Y245.0712	G1 X40.4952 Y247.4689
G1 X32.2135 Y245.6528	G1 X39.6519 Y247.4499
G1 X32.5323 Y246.2688	G1 X39.5319 Y246.3513
G1 X32.8942 Y246.7895	G1 X39.4119 Y245.6147
G1 X33.2752 Y247.234	G1 X39.2918 Y245.1715
G1 X33.4721 Y247.4689	G1 X39.1515 Y244.6314
G1 X33.5737 Y247.4689	G1 X39.6119 Y245.0115
G1 X33.6308 Y247.0498	G1 X40.1904 Y245.6528
G1 X33.4721 Y246.2688	G1 X40.6095 Y246.2307
G1 X33.3324 Y245.6719	G4
G1 X33.2117 Y245.2115	P0.10000000149011612
G1 X33.1101 Y244.6314	M03 S80
G1 X33.4721 Y244.9315	G4
G1 X33.9928 Y245.4687	P0.10000000149011612
G1 X34.2722 Y245.8687	G1 F10000
G1 X34.5516 Y246.2307	G1 X43.1949 Y245.9703
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S80	M03 S0
G4	G4
G4 P0 10000000149011612	G4 P0 10000000149011612
P0.10000000149011612	P0.10000000149011612
P0.10000000149011612 G1 F10000	P0.10000000149011612 G1 F15000.000000
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.974 Y244.8711	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.974 Y244.8711 G1 X35.7898 Y244.4311	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y245.5512 G1 X43.1549 Y245.1118
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.4311 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y244.7918 G1 X43.5749 Y244.7918
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.100000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701 G4 P0.100000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909 G1 X44.6925 Y245.7925
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.100000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701 G4 P0.100000000149011612 M03 S80 G4	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909 G1 X44.6925 Y245.7925 G1 X44.9973 Y246.2307
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701 G4 P0.10000000149011612 M03 S80	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909 G1 X44.6925 Y245.7925
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701 G4 P0.10000000149011612 M03 S80 G4 P0.100000000149011612	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909 G1 X44.6925 Y245.7925 G1 X44.9973 Y246.2307 G4
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701 G4 P0.10000000149011612 M03 S80 G4 P0.100000000149011612 G1 F10000	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909 G1 X44.6925 Y245.7925 G1 X44.9973 Y246.2307 G4 P0.100000000149011612
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.100000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X39.6722 Y247.8118	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909 G1 X44.6925 Y245.7925 G1 X44.9973 Y246.2307 G4 P0.100000000149011612 M03 S80
P0.10000000149011612 G1 F10000 G1 X35.7708 Y244.6314 G4 P0.10000000149011612 M03 S0 G4 P0.10000000149011612 G1 F15000.000000 G1 X35.4533 Y244.9518 G1 X35.6692 Y245.1918 G1 X35.7898 Y244.8711 G1 X35.7898 Y244.4311 G1 X35.4914 Y243.9701 G4 P0.10000000149011612 M03 S80 G4 P0.10000000149011612 G1 F10000 G1 X39.6722 Y247.8118 G4	P0.10000000149011612 G1 F15000.000000 G1 X43.6352 Y246.2497 G1 X44.1782 Y246.7895 G1 X44.375 Y247.0689 G1 X44.4322 Y247.3737 G1 X44.3179 Y247.4943 G1 X44.0575 Y247.5134 G1 X43.6352 Y247.234 G1 X43.3146 Y246.7704 G1 X43.1349 Y246.091 G1 X43.0549 Y245.5512 G1 X43.1549 Y245.1118 G1 X43.3749 Y244.7918 G1 X43.5749 Y244.5914 G1 X44.2544 Y245.2909 G1 X44.6925 Y245.7925 G1 X44.9973 Y246.2307 G4 P0.100000000149011612 M03 S80 G4

G1 X47.0966 Y247.1133	G1 F15000.000000
G4	G1 X41.7969 Y249.4311
P0.10000000149011612	G1 X41.4159 Y249.2533
M03 S0	G1 X40.9936 Y248.6945
G4	G1 X40.894 Y248.0722
P0.10000000149011612	G1 X40.7739 Y247.3102
G1 F15000.000000	G1 X40.6539 Y246.3894
G1 X47.597 Y247.4943	G1 X40.5536 Y245.6528
G1 X47.4967 Y246.7323	G1 X40.3942 Y244.7518
G1 X47.3567 Y245.8941	G1 X40.7139 Y245.4941
G1 X47.2567 Y245.1715	G1 X41.174 Y246.2942
G1 X47.197 Y244.8115	G1 X41.6318 Y246.9546
G1 X47.597 Y245.6909	G1 X41.9938 Y247.3292
G1 X47.9971 Y246.472	G1 X42.1525 Y247.3737
G1 X48.3755 Y247.0308	G1 X42.216 Y247.0308
G1 X48.6994 Y247.3737	G1 X42.0319 Y246.2307
G1 X48.8581 Y247.4308	G1 X41.8731 Y245.4941
G1 X48.9597 Y247.3102	G1 X41.7715 Y245.0515
G1 X48.8137 Y246.6942	G1 X41.7144 Y244.6114
G1 X48.5978 Y245.6147	G1 X42.2922 Y245.1118
G1 X48.42 Y244.6714	G1 X42.8764 Y245.7925
G1 X48.6168 Y245.329	G1 X43.1558 Y246.2307
G1 X48.9597 Y246.0084	G4 G4
G1 X49.4169 Y246.7323	P0.10000000149011612
G1 X49.7598 Y247.234	M03 S80
G1 X50.0392 Y247.4499	G4
G1 X50.1789 Y247.3737	P0.10000000149011612
G1 X49.9757 Y246.3513	G1 F10000
G1 X49.7789 Y245.5131	G1 X160.1552 Y248.65
G1 X49.6773 Y244.9918	G4
G1 X49.6582 Y244.6314	P0.10000000149011612
G1 X50.217 Y245.1118	M03 S0
G1 X50.6742 Y245.6719	G4
G1 X51.0743 Y246.2307	P0.10000000149011612
G4	G1 F15000.000000
P0.10000000149011612	G1 X160.1552
M03 S80	Y248.3135
G4	G1 X160.0955 Y248.25
P0.10000000149011612	G4
G1 F10000	P0.10000000149011612
G1 X42.216 Y249.4311	M03 S80
G4	G4
P0.10000000149011612	P0.10000000149011612
M03 S0	G1 F10000
G4	G1 X0 Y0
P0.10000000149011612	

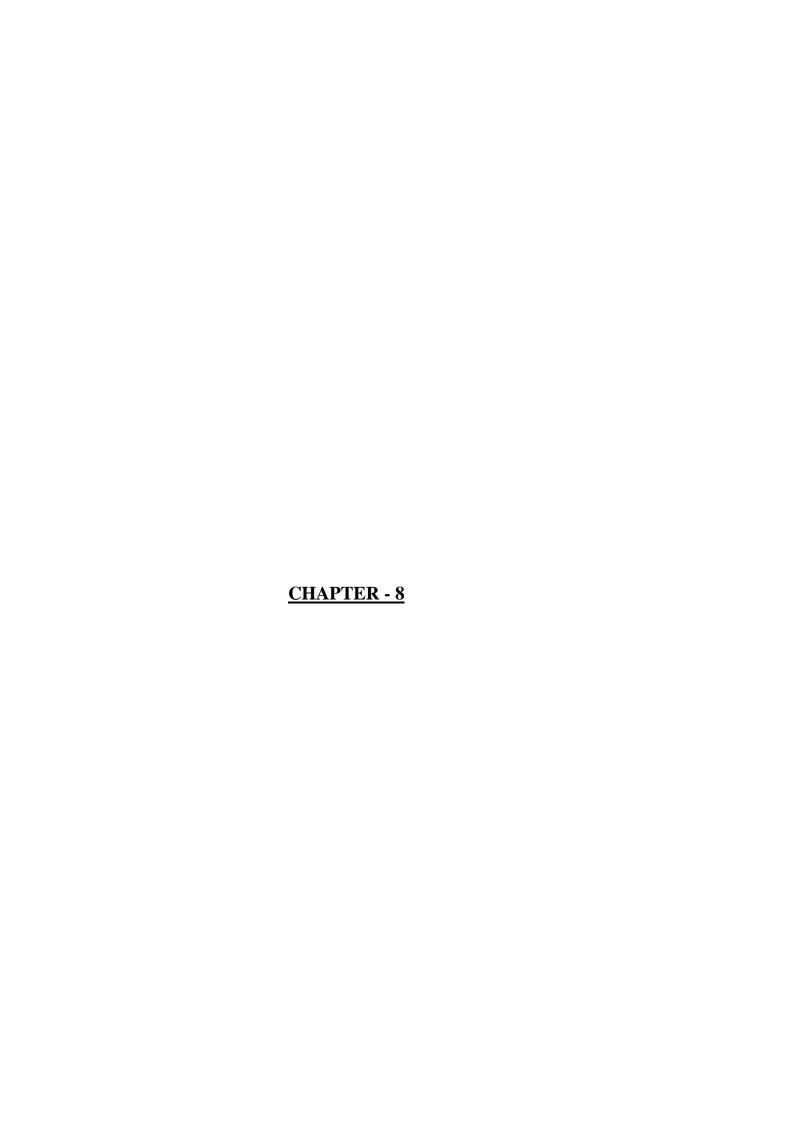


Table I. Cost of Components

	Cost estimation of project			
S.no	Name of material	Num ber of unit	Cost (Appro x.)	
1	NEMA 17 Stepper motor	2	700	
2	Arduino Uno		400	
3	CNC shield board		200	
4	A4988 motor driver	2	300	
5	Mg995s metal gear servo motor		250	
6	12V Adapter		100	
7	8mmx300mm Threaded rod	2	400	
8	8mmx300mm smooth rod	4	400	
9	Bearing 8mm dia	4	160	
10	Linear coupling bearing	2	300	
11	Miscellaneous		350	
	Total		3560	

Advantages

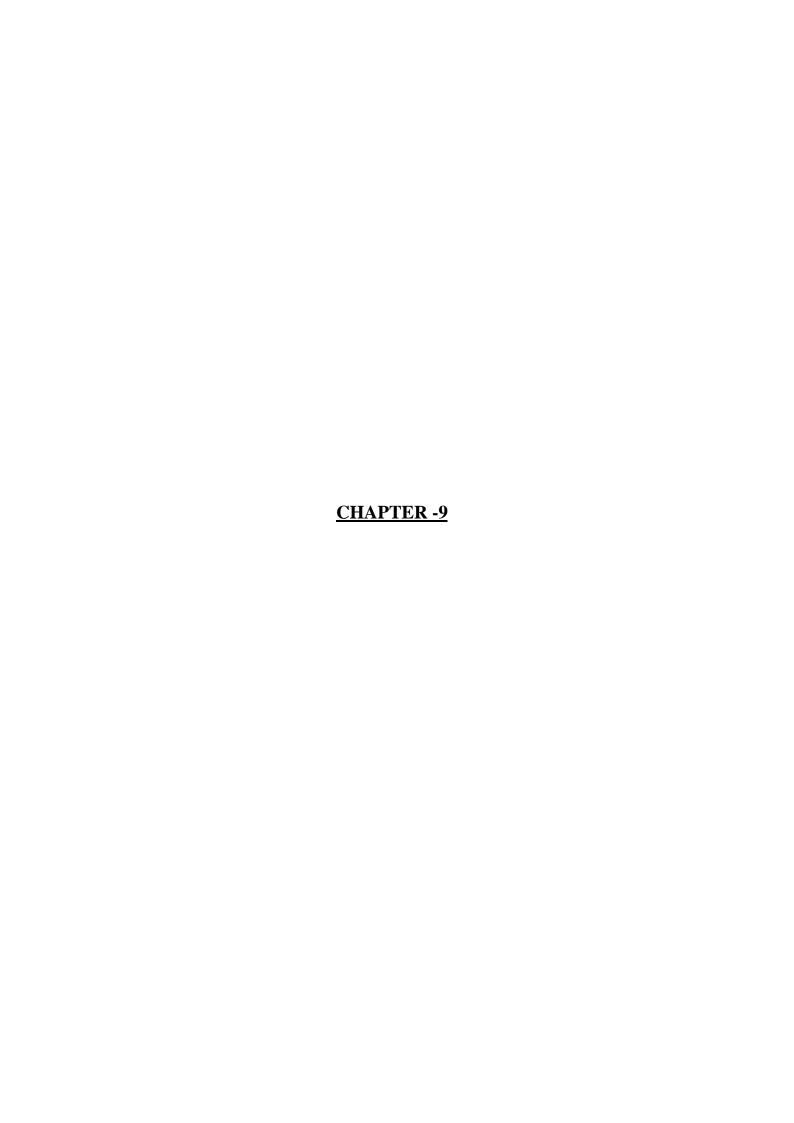
- 1. CNC machines can be utilized constantly, 24 hours a day, with the exception of infrequent maintenance shutdowns.
- 2. Designs are modified for CNC machines so that hundreds or even thousands of copies can be manufactured of them. Each manufactured item will be very identical to the others.
- 3. Unlike manual machines, processing machines, and other devices that require professional architects, CNC machines can be managed by those who are less talented or qualified.
- 4. The CNC machines may be updated by making the product that powers them better.
- 5. "Virtual programming" enables instruction on how to operate CNC equipment. The administrator can control the CNC machine using this gadget, which resembles a computer game, on the PC's display.
- 6. Modern strategy the architect can replicate the design of their ideas through programming. It is imperative that a model or models be created. Time and money are put aside in this.
- 7. One person can manage several CNC machines due to the fact that customized CNC machines can often be passed on to operate without assistance from anybody else. Only the cutting instruments occasionally need to be replaced.

Disadvantages

As a result of the machine's sluggish performance and excessive heat output, the intensity sink warms up quickly. After the image record has been plotted, a little error might still be present due to the fact that one side of the Y-hub is locked to the moving system while the other end is free to move. Since the Z-hub isn't extremely rigid, it causes a slight vibration.

Applications

- 1. Brijesh Sondarva's Little CNC/3D Printer, for starters
- 2. Jonahmarrs' Small CNC Froth Shaper
- 3. Me zain's Small Arduino CNC
- 4. CD/DVD Bipolar Engine Driver by Samiran without Microcontroller
- 5. CNC Plasma Cutting byivanirons | CNC Step Pad Project | CNC Programming
- 6. Brijesh Sondarya's L293D driver board for CNC



Result:-

This research suggests a different type of computerized composition device that incorporates optical person recognition. The text will be extracted from the information image using the source code, and it will then be converted to one of the predefined text styles stored on the computer or to the client's handwriting. The removed text totally switched over to the client's text style in the info image, which is a bit of a checked record in the predefined text style "Arial."

Amazon, the multinational e-commerce grant, has done the impassible and reached a staggering 18 Trillion dillars market cap in the past few years, and is expected to reach over 18 Trillion in revenues by the year 2025.

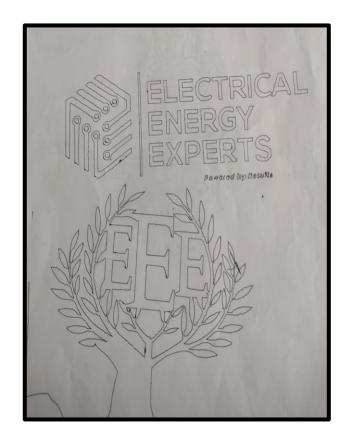
Fig 8.1 Input

A web application is used to help with the textual style change. In this case, the client's sequential information is transferred, and this textual style is worked to.

Amazon, the multinational e-commerce giant, has done the impossible and reached a staggering 18 Trillion dollars market cap in the past few years, and is expected to reach over 18 Trillion in revenues by the year 2025.

Fig 8.2 Output





Input in predefined Image

Output Image

The cost of creation is where this framework's primary advantage lies. In order to do an analysis, two comparably priced frameworks are taken into consideration.

Comparison of the proposed system with others

	Existing Method	Proposed Method
Parameters	S	-
Cost (Rupees) 8090	8090	6003
	OCR	CNC
Converter		
Font Converter	Possible	Possible
Weight(KGS)	1	0.88
Speed (WPM)	5-10	5-15
Origin	INDIA	INDIA

It's also important to keep in mind the accuracy of the optical person. Depending on whatever textual style is used, CNC of text in preset textual styles is generally above 95% more accurate than human penmanship. Depending on how sloppy or perfect the person's penmanship is, the CNC's accuracy in the event of human penmanship recognition will vary. The machine's composing speed, which is 13 wpm, is nearly identical to that of the average human (words each moment). One of the project's limitations is that, due to the laser fetching programming used, the final product could only be inscribed in block letters. Maybe, this problem could be solved by using other programming.

Conclusion:-

Humans are increasingly using robots to complete tasks in order to save time, resources, and produce goods that are effective. The fundamental issue with currently available technology, such as speech-to-text converters, printers, and scanners, is that they can only write in computer-predefined typefaces. The suggested system functions as an automatic writing device that may produce text in any specified font or according to the user's handwriting. Software and hardware integration produces a mechanical system that, with minimal human interference, creates an automated writing machine that is user-friendly and economical while also requiring less manual labour and time. In conclusion, the automatic writing machine will be able to help with the problems we face every day and so raise our quality of life.

FUTURE SCOPE

The suggested framework can be used as a benchmark for the majority of upcoming improvements. One such improvement might be to compose more quickly than is now possible. Also, the inclusion of voice-to-message modules in the general framework proposal will benefit people with a range of abilities. Creating a constant framework, where the client can submit the message to be created remotely and the device must be prepared to record it on paper, could be another modification. By incorporating the use of the web and cloud administrations into the cycle, this can be achieved. A relative who's phone battery may have died and the phone may have turned off might be informed using this unique application. The optical person recognition of the suggested framework isn't currently as accurate for outdated penmanship as it is for established penmanship styles. Consequently, by achieving superior text recognition, the system may be made to read professional advice, which can then be completely translated into the client's language using a language interpretation model.

REFERENCES

- [1] P. Novák, J. Vyskočil, P. Kadera, L. Kathrein, K. Meixner, D. Winkler, S. Biffl, "Engineering Roles and Information Modeling for Industry 4.0 Production System Engineering", 2019 24th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA), DOI: 10.1109/ETFA.2019.8869141, Sept, 2019.
- [2] M. Aditi, S. Karpagam, B. Nandini, B. S. Murugan, "Automated Writing and Drawing Machine," International Journal of Engineering Research & Technology, ISSN: 2278-0181, ETEDM 2019 Conference Proceedings, 2019.
- [3] Mr.R.Augustian Isaac, Amit Kumar Singh, Prateekshit Tamta, Gaurav Singh, "Homework Writing Machine," IJARIIE, Vol-4 Issue-5 2018.
- [4] T. C. Wei, U. U. Sheikh and A. A. A. Rahman, "Improved optical character recognition with deep neural network," 2018 IEEE 14th International Colloquium on Signal Processing & Its Applications (CSPA), Batu Feringghi, 2018, pp. 245-249, doi: 10.1109/CSPA.2018.8368720.
- [5] A. M. Sabu and A. S. Das, "A Survey on various Optical Character Recognition Techniques," 2018 Conference on Emerging Devices and Smart Systems (ICEDSS), Tiruchengode, 2018, pp. 152-155, doi: 10.1109/ICEDSS.2018.8544323.
- [6] Shani Ranjan, Mani Rani, Shweta Ranjan, Dr. Manmohan Singh, "Design and Implementation of low-cost 2D plotter Computer Numeric Control (CNC) Machine," International Journal of Engineering Research & Technology, Vol. 7 Issue 05, May-2018.
- [7] R. Balathangam, P. Mathipriya, R.Pavithra, G. Prithiviraj, U.Poornima, "Design and Development of Arduino Controlled Writing Robot," International Research Journal of Engineering and Technology, Volume: 04 Issue: 04, Apr -2017.
- [8] Q. Li, W. An, A. Zhou and L. Ma, "Recognition of Offline Handwritten Chinese Characters Using the Tesseract Open Source OCR Engine," 2016 8th International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC), Hangzhou, 2016, pp. 452-456, doi: 10.1109/IHMSC.2016.239.
- [9] Kajal J.Madekar, Kranti R. Nanaware, Pooja R. Phadtare, Vikas S. Mane, "Automatic mini CNC machine for PCB drawing and drilling," International Research Journal of Engineering and Technology, Volume: 03 Issue: 02, Feb-2016.
- [10] D. Berchmans and S. S. Kumar, "Optical character recognition: An overview and an insight," 2014 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), Kanyakumari, 2014, pp. 1361-1365, DOI: 10.1109/ICCICCT.2014.6993174.

Document Information

Analyzed document 19701A0214.pdf (D160487241)**Submitted** 3/9/2023 5:02:00 AM

Submitted by

Submitter email eee.aitsr@gmail.com

Similarity 4%

Analysis address eee.aitsr.aits@analysis.urkund.com

Sources included in the report

W

URL: https://vpmpme.files.wordpress.com/2018/07/mini-cnc-plotter-2017-18.pdf



Fetched: 5/17/2020 12:56:54 PM



International Journal of Recent Advances in Multidisciplinary Topics

ISSN: 2582-7839, @www.ijramt.com, Support@ijramt.com, SJIF: 5.086

CERTIFICATE OF PUBLICATION

This certificate is awarded to

Nandyala Sreeramula Reddy

For publishing the article entitled

Design and Development of Automated Writing Machine

in Volume 4, Issue 2, February 2023









CERTIFICATE OF PUBLICATION

This certificate is awarded to

Doneparthi Sai Krishna Kanth

For publishing the article entitled

Design and Development of Automated Writing Machine

in Volume 4, Issue 2, February 2023









CERTIFICATE OF PUBLICATION

This certificate is awarded to

Kancharla Chandrakala

For publishing the article entitled

Design and Development of Automated Writing Machine

in Volume 4, Issue 2, February 2023











This certificate is awarded to

Nagireddypalli Keerthi

For publishing the article entitled

Design and Development of Automated Writing Machine

in Volume 4, Issue 2, February 2023







International Journal of Recent Advances in Multidisciplinary Topics





This certificate is awarded to

Vempalli Ayyappa Reddy

For publishing the article entitled

Design and Development of Automated Writing Machine

in Volume 4, Issue 2, February 2023











This certificate is awarded to

Vellala Linga Bhanu Prakash Reddy

For publishing the article entitled

Design and Development of Automated Writing Machine

in Volume 4, Issue 2, February 2023



