

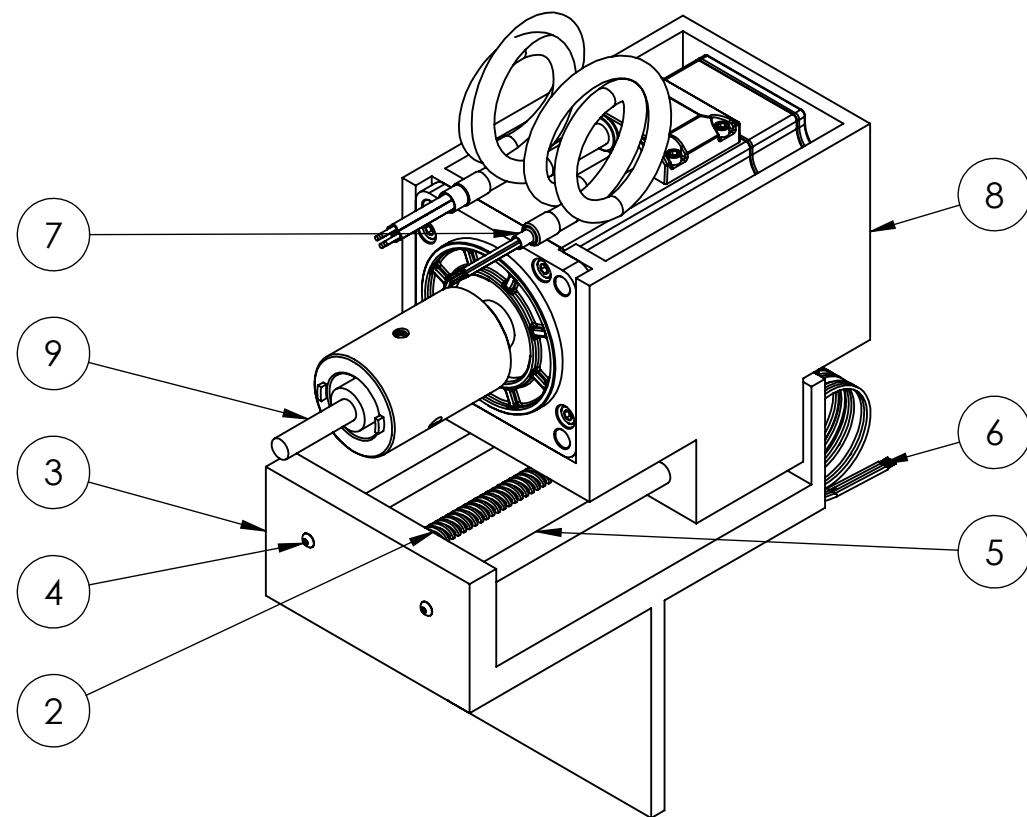




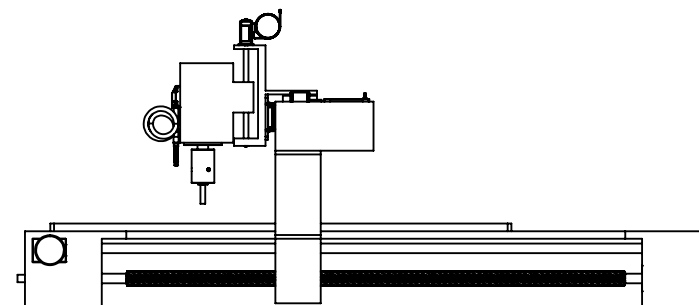
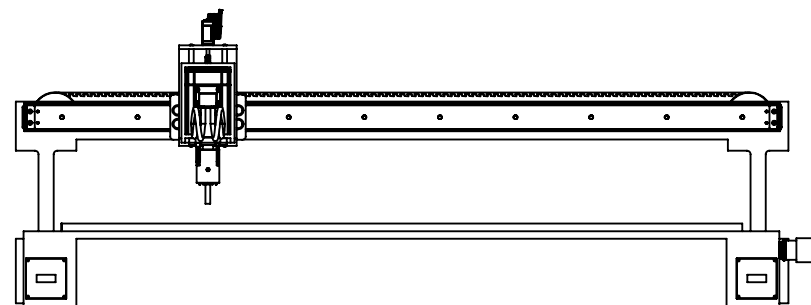
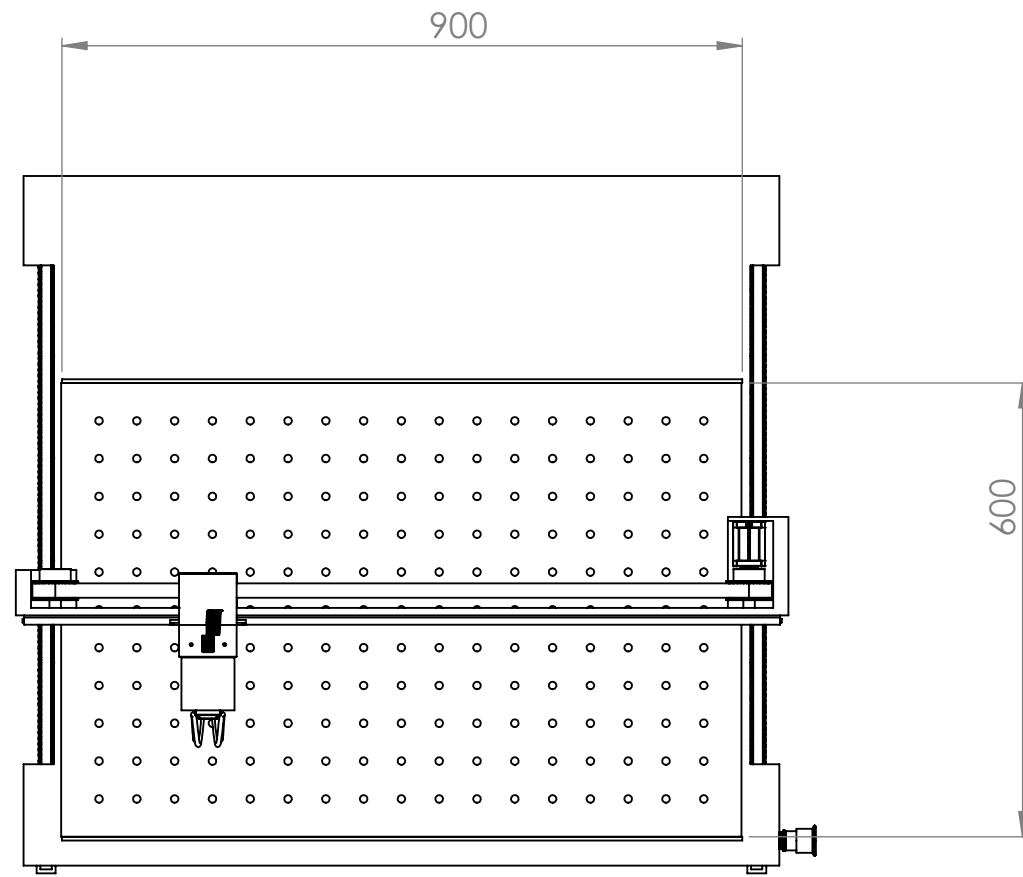
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	95365A503	Cast Iron Precision Acme Round Nut	1
2	99030A978	1018 Carbon Steel Precision Acme Lead Screw	1
3	f_router1		1
4	92949A323	18-8 Stainless Steel Button Head Hex Drive Screw	4
5	f_gr1		2
6	6627T111	Stepper Motor	1
7	4856N11	Spindle Motor	1
8	new router		1
9	spindle bit		1
10	60355K124	Ball Bearing	1



	AUTHOR: GROUP 13	CLASS: MIE 243	LAB SECTION: LAB 1XX	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO.	TITLE: CNC ROUTER		
	DATE: 04/12/2024			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE		SCALE:1:5	SHEET 1 OF 1	

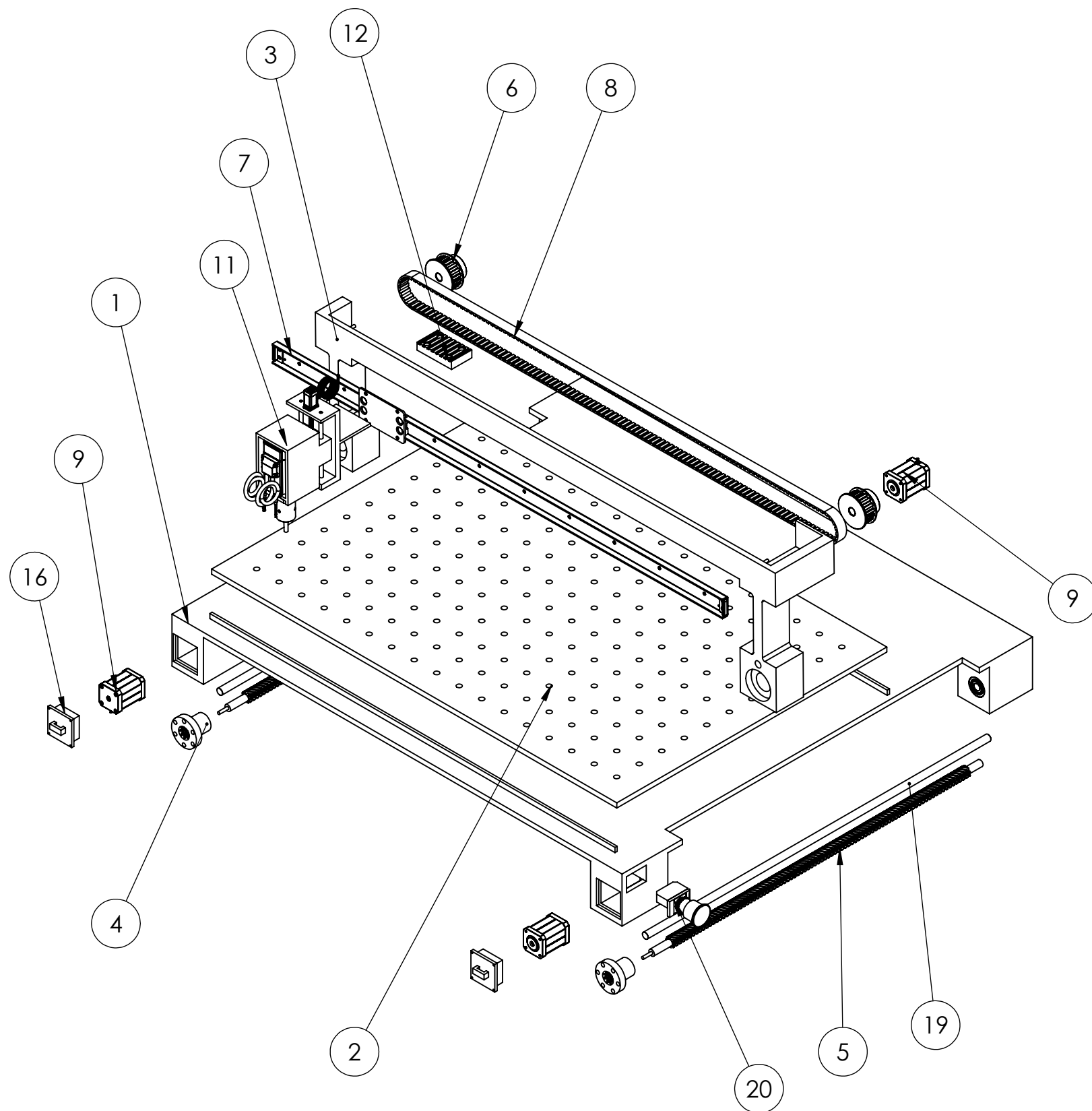


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10	60355K124	Ball Bearing	1


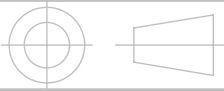
	AUTHOR: GROUP 13	CLASS: MIE 243	LAB SECTION: LAB 1XX	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO.	TITLE: ROUTER		
	DATE: 04/12/2024			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE		SCALE:1:5	SHEET 1 OF 1	

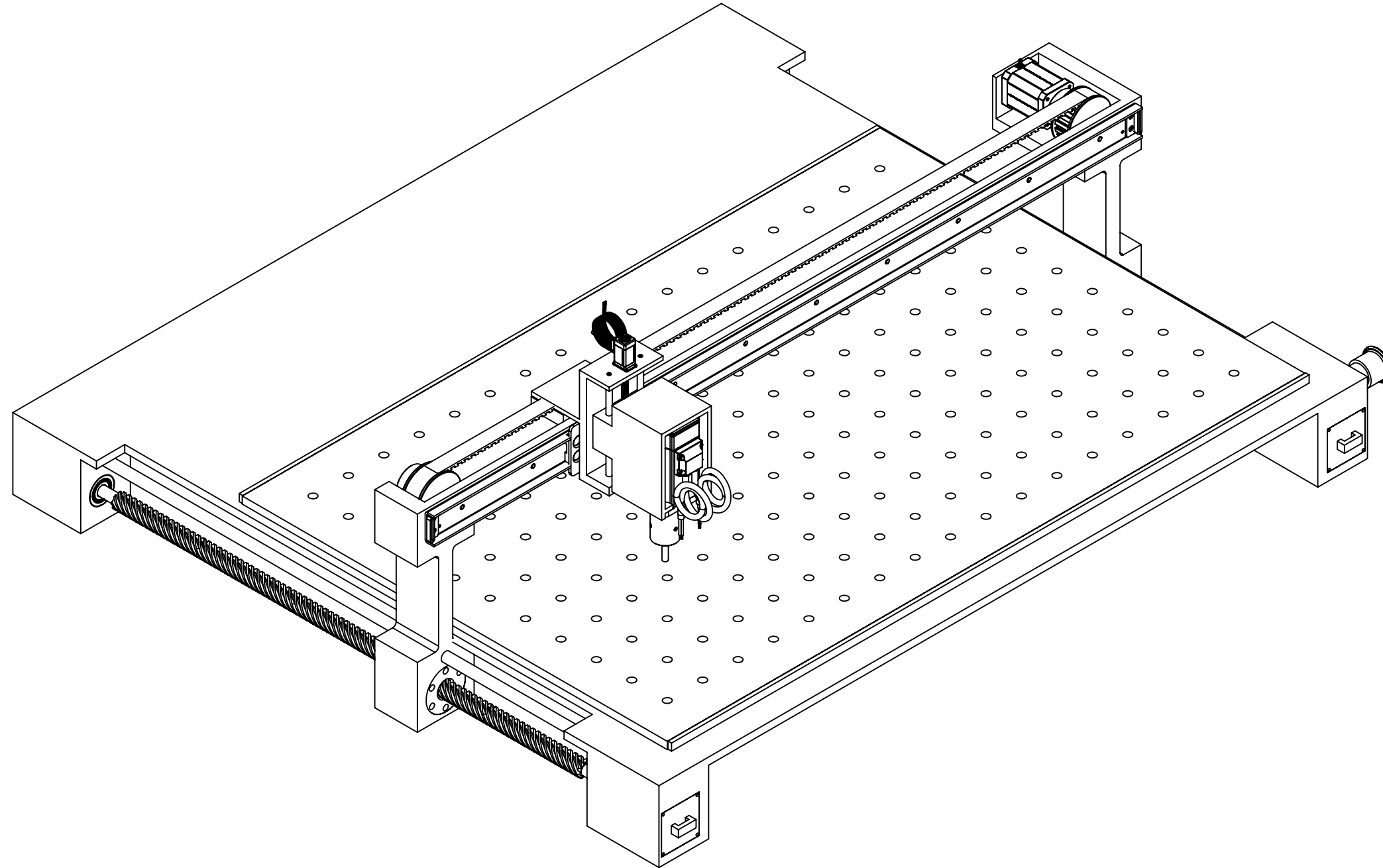




	AUTHOR: GROUP 13	CLASS: MIE 243	LAB SECTION: LAB 1XX	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO.	TITLE: CNC ROUTER		
	DATE: 04/12/2024			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE		SCALE:1:20	SHEET 1 OF 1	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	base		1
2	wood top		1
3	gantry(1)		1
4	2391N16	Flange Nut with M20 x 7.50 mm Thread for Fast-Travel Ultra-Precision Lead Screw	2
5	2391N38	Fast-Travel Ultra-Precision Lead Screw	2
6	6495K882	Timing Belt Pulley	2
7	rail and guide		1
8	Belt1-1		1
9	6627T151	Stepper Motor	3
10	23915T85	Tapered-Roller Bearing	4
11	f_subassem2		1
12	7644N14	3.02" Long x 1.77" Wide End Plate for Trade Size L Timing Belt	1
13	Part1^Assem1		1
14	Part2^Assem1		1
15	Part3^Assem1		1
16	leadscrew_motor_lid		2
17	60355K132	Ball Bearing	2
18	belt motor to pulley shaft		1
19	6061K79	Linear Motion Shaft	2
20	6741K43_Emergency Stop Panel-Mount Push-Button Switch	Emergency Stop Panel-Mount Push-Button Switch	1

	AUTHOR: GROUP 13	CLASS: MIE 243	LAB SECTION: LAB 1XX	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO.	TITLE: CNC ASSEMBLY		
	DATE: 04/12/2024			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE		SCALE:1:20	SHEET 1 OF 1	



	AUTHOR: GROUP 13	CLASS: MIE 243	LAB SECTION: LAB 1XX	PREPARED FOR: DRAWING PURPOSE
	STUDENT NO.	TITLE: CNC ROUTER		
	DATE: 04/12/2024			
	MATERIAL: MATERIAL	PART NO. XXX	REV. 1	
	UNLESS OTHERWISE SPECIFIED, UNITS: MM, DEGREE	SCALE:1:20	SHEET 1 OF 1	