

Hospital Equipment  
Office Equipment  
School Furniture  
Workshop Equipment  
Food Processing  
Renewable Energy  
Customize Product  
Quality of Life Improvement  
Plastic Injection  
Mold And Tools  
Metal Stamping  
Precision Parts  
Single Purpose Machine  
Repairing And Retrofit  
Smart Laboratory  
Product Development  
Training Centre



# PT. ATMI SOLO

High Value Manufacturing, Smart Mechatronic,  
Integrated Engineering Solution Smart Mechatronic,  
Integrated Engineering Solution

**PT ATMI SOLO**, formerly known as **ATMI** (Academy of Technical Industrial Engineering), is a company in the field of manufacturing, mechatronic and design engineering. Production which done in PT ATMI SOLO as well as part of **Polytechnic ATMI Surakarta's** education to support the Production Based Education and Training approach.

PT ATMI SOLO manufactures both standard and non-standard products. Its non-standard production includes:

1. **Mold and Tools Production** : plastic injection molds, aluminium die casting dies, etc.
2. **Parts Production** : CNC and manually produced precision parts, plastic injection parts, fine stamping parts and metal stamping parts.
3. **Machine Development** : design, reconditioning and manufacture of custom-built food processing and automotive machinery, and other tailor-made products such as ovens, etc.

The PT ATMI SOLO's standard products are metal products, such as filing cabinet, hospital beds and work benches. These products are divided into three categories:

1. **Hospital Equipment** : hospital equipment, including equipment for wards, operating theatres, emergency rooms, and examination rooms.
2. **Office and School Furniture** : knowing the importance of proper office equipment to the success of an education or business enterprise, PT ATMI SOLO produces office and school equipment, such as office desks, multifunction chairs, student desks and chairs, filing cabinet, etc.
3. **Workshop Equipment** : a wide range of workshop equipment, including staff lockers, tool cases, work benches, trolleys, work tools, etc.
4. **Engineering, Service and Maintenance** : product development, rapid prototype, etc.

As well as manufacturing components for industry, PT ATMI SOLO offers **training courses** to the general public, including:

1. Job training for : practical instructors at state and private college, practical instructors at state and private vocational high schools, employee at state and private companies/ organization.
2. Job training leading to employment as skilled workers for unemployed high school graduates.

These training opportunities consist of short courses in :

Basic Mechanics (milling, turning, grinding, assembly), Advanced Mechanics, CNC Programming, CAD/CAM, Mold Design, Dies Design, CNC Simulation, General Maintenance and CNC Maintenance.

In addition to product manufacturing services, PT ATMI SOLO provides **consultancy services** in product-based education, engineering, training and development.

These services are also available to members of the school community who wish to develop their engineering skills, as well as to state and private companies and other institutions in need of engineering consultancy services.



**high value manufacturing, smart mechatronic integrated engineering solution**

**precision part**



# Machine Development Center

Standard Machines, Customize Machines, Special Purpose Machines Production, Repairing and Retrofitting Machine

## MDC (Machine Development Center)

**Center** is a unit of PT ATMI which is the development of Work Mechanic Unit. MDC handles the development, manufacturing and servicing machines both standard machines, special machines and customize machine ordered by customers.



In the process of handling, MDC uses machine with high capacity and quality, from conventional machines to CNC machines. In addition, MDC is supported by an expert human resources in the field of machinery; ranging from machine design, manufacturing process up to the assembly process.

## MDC (Machine Development Center) capacity :

### CNC Machine

Machine	Type	Brand	Qty	Machine	Brand	Qty
Lathe	Hi Cell		1	Universal Grinding	Kellenberger 1000 U	3
Lathe	Schaublin CNC		1	Universal Grinding	Kellenberger 600 U	3
Lathe	SI 325 Shenyang		1	Universal Grinding	Kellenberger 57 W	1
Lathe	S94 Pinacho		1	Universal Grinding	Sacke	1
Mill	YCM		1	Internal Grinding	Tripet S A	1
Mill	MAHO MH 600E		2	Center Grinding	Technica	1
Mill	Hermle VWF 900E		1	External Grinding	Studer	1
Mill	VG 45		1	Surface Grinding	Brand	1
Mill	Vector		1	Surface Grinding	Magerle	1
				Tool Grinding	Great D1	5
				Tool Grinding	Deckel	2
				Tool Grinding	Greif	1
				Tool Grinding	Fullmark	1
				Tool Grinding	Vitax	1

### Conventional Machine

Machine	Brand	Qty
Lathe	Celtic	3
Lathe	Colchester	8
Lathe	Weiler	2
Lathe	Gallic	1
Lathe	Hercules	1
Lathe	Plauert	2
Lathe	Hanseat	1
Lathe	CMZ	6
Mill	Aciera F4	3
Mill	Mikron	15
Mill	MAHO	3
Mill	Aciera F45	1
Mill	Aciera F5	1
Mill	Schaublin	1
Mill	Kunzman	1
Mill	Beijing	1
Drilling	Aciera	2
Drilling	Soraluce	1
Drilling	Ibarmia	1
Drilling	Modig	1
Drilling	Moser	1
Hobbing	Pfauter	1
Slotting	Elmass	1
Sawing	Kasto	1
Sawing	Schmid	2
Sawing	Amada	1

### EDM

Machine	Brand	Qty
EDM	Sundwind	1
EDM	Surefirst	1
EDM	King Spark	1



# Mold and Tools Production

## ATMI - IGI

Produce tools, mold, dies, metal stamping, plastic injection products and various kind of industrial parts



Plastic Injection Parts, Alu Die Casting, Blow Molding, Precision Machining, Progressive Tool, Reverse Engineering, Precision Jig & Fixture, Earth Plate - Stamping Parts, Alu. Die Casting Dies, Alu. Gravity Casting, Stecker - Stamping Parts

## MTP (Mold and Tools Production) capacity :

### Design and Engineering

Software	Type	Maker	Country
CAD	V5R15	Catia	USA
CAD	AutoCAD	Autodesk	USA
CAD	Mechanical Desktop	Autodesk	USA
CAD	INVENTOR	Autodesk	USA
CAM	Power Mill	Delcam	UK
CAD	Power Shape	Delcam	UK
CAE	Mold Flow	Mold Flow	USA

### Measurement

Machine	Type	Maker	Country
CNC CMM	Bright STRATO 707	Mitutoyo	Japan
Digital Height Measuring	518 - 321E	Mitutoyo	Japan
Profile Projector	P3 311	Mitutoyo	Japan

### CNC Machining

Machine	Type	Maker	Country
CNC Milling	Okuma Howa	Millac 561 V	Japan
CNC Milling	VICTOR	VCenter - 105	Taiwan
CNC Milling	KAOMING	KMC - 3000 SD	Taiwan
CNC Milling	HERMLE	UWF 900 E	Germany
CNC Milling	MAHO	MH 600 E2 TC	Germany
2- CNC Milling	MAHO	MH 600 E2	Germany
CNC Lathe - 4 axis	Hitachi Seiki	Hicell CA23	Japan
CNC Milling - 5 axis	Deckel MAHO	DMU 50eVo	Germany
3 - CNC Milling	Deckel MAHO	DMC 63 V	Germany
CNC Milling	Harford	VMC 1270	Taiwan
CNC Lathe	Gildemaster	CTX 310 V3	Germany
CNC Lathe	Gildemaster	NEF 320	Germany

### EDM / Wire Cut

Machine	Type	Maker	Country
CNC EDM	ROBOFORM 55 P	CHARMILLES	Switzerland
CNC EDM	EDNC 65	MAKINO	Japan
Z-NC EDM	E 46 PM	KING SPARK	Taiwan
EDM Drill	SD 1	ACTSPARK	Taiwan
CNC Wire Cut	ROBOFILL 4030 SI	CHARMILLES	Switzerland
CNC Wire Cut	ROBOCUT	FANUC	Japan
EDM	SE - 1	ACTSPARK	Taiwan
CNC Wire Cut			

### Stamping - Plastic Injection

Machine	Type	Maker	Country
High Speed Stamping	RSH 500-1250	Haulick Roos	Germany
Plastic Injection	221 - 75 - 350	Arburg	Germany
Plastic Injection	270 - 210 - 500	Arburg	Germany
Plastic Injection	305 - 210 - 700	Arburg	Germany
Plastic Injection	N 350	Netstal	Switzerland
Plastic Injection	N 350	Netstal	Switzerland

# Sheet Metal Fabrication



such as filing cabinets, mobile file cabinets, hospital bed, tool cabinet, etc. Products are categorized into 4 categories catalog: Office Equipment, School Equipment, Hospital Equipment and Workshop Equipment.

In the manufacturing process, Sheet Metal Fabrication unit is equipped with high-quality machines both conventional and CNC-based and well managed by a reliable and professional in all parts of the unit. Its workflow starts from the Design Engineering, Manufacturing (Cutting, Puching, Bending, Painting), Assembling (Welding, Assembling), Quality Control (Strengthness, Performance) and finally Final Work (Packing, Delivery).

## Sheet Metal Fabrication capacity :

### Design and Engineering

Software	Type	Maker	Country
CAD	V5R15	Catia	USA
CAD	AutoCAD	Autodesk	USA
CAD	Mechanical Desktop	Autodesk	USA
CAD	INVENTOR	Autodesk	USA

### Cutting

Machine	Max Thickness
Trumpf TC 200R	6.4 mm
Trumpf TCR 1000	6.4 mm
Fasti Type 801	1.5 mm
CBC Type PBF/ 2000/6	6 mm
Promecam Type GTH 430	3 mm
YSD Type HGO 31/ 6.35	6 mm



### Punching

Machine	Punching Force
Agostino Colombo PE 1L	100 ton
EBU Type H 125 F	125 ton
RRC Type 15 T	15 ton
RRC Type J23 - 25	25 ton
Stanko Type KD 2128 K	80 ton
RRC Type J23 10B	10 ton
EBU Type 35 R	35 ton

### Bending

Machine	Max Thickness	Min Bend Radius
RAS Type 74.30 5 Axis CNC	4 mm	1.25 x t
MEGOBAL Type PB 20.63	6 mm	1 x t
MEGOBAL Type PB 25.63	6 mm	1 x t
MEGOBAL Type PB 25.100	6 mm	1 x t
MEGOBAL Type PB 30.100	6 mm	1 x t
MEGOBAL Type PB 30.300	6 mm	1 x t
Trumpf Bend	6 mm	1 x t

### Painting

Oven Brand: Leuteneggerating, Hoval  
Powder Coating Line

### Specification:

Paint Thickness	60 mikron
Oven temp.	180 - 220 C
Drying temp.	60 C
Nozzle spray gun	corona type



## OUR CUSTOMER

### FOOD & BEVERAGES

PT Eternair Water Indonesia  
PT United Can Company  
PT Canning Indonesia  
PT Coca Cola Bottling Company  
PT Nissin Biscuit Indonesia  
Food and Agriculture Organization

### TOBACCO MANUFACTURING

PT Djarum  
PT Gudang Garam Tbk  
PT Djitoe Indonesia Tobako  
PT Bobin Industri

### OTOMOTIF MANUFACTURING

PT Indonesia Stanley Electric  
PT Astra Honda Motor  
PT Aisin Indonesia  
PT Astra Otoparts  
PT YPTI Yogyakarta

### ELECTRONIC MANUFACTURING

PT E-T-A Indonesia  
PT Hartono Istana Teknologi  
PT Padma Sode

### MEDICAL & PHARMACEUTICAL COMPANY

IFARS Pharmaceutical  
PT Konimex, Tbk  
PT Kalbefarma, Tbk  
TONTARRA MEDIZINTECHNIK GmbH

### TEXTILE COMPANY

PT Dan Liris  
PT Sari Warna  
PT Kusumahadi Santosa  
PT Adetex  
PT Hanil Indonesia

### HOUSEHOLD & SANITARY MANUFACTURING

PT Holcim Indonesia Tbk  
PT Almik Kurnia Bersama  
PT Sanwell Austindo  
Inch Furniture – Schweiz

### SCHOOL AND HOSPITAL

SMA Taruna Nusantara Magelang  
SMA Regina Pacis Surakarta  
SMP Santa Clara  
RS Brayat Minulyo  
RS Elisabeth – Semarang  
RS Elisabeth – Purwokerto  
RS Panti Rapih  
RS. Carolus Jakarta  
RS. Charitas Palembang  
RSUP. Karyadi Semarang  
RSUD. Koja – Jakarta Utara

and OTHERS..

Hospital Equipment



Workshop Equipment



School and Office Furniture



Precision Part



Special Purpose Machine

Quality of Life Improvement



Renewable Energy

CNC and Mechatronic Product



Product Development

Mold and Dies, Tools, Plastic Injection



**ATMI PRO**  
The Rainbow of Excellence

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**High Value Manufacturing, Smart Mechatronic,**  
Integrated Engineering Solution, Integrated Engineering Solution, Smart Mechatronic,  
**Integrated Engineering Solution**  
Integrated Engineering Solution



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