



POLITEKNIK INDUSTRI
ATMI



- 2 Campus Location Surakarta - Central Jawa (<https://www.atmi.ac.id>)
Cikarang - West Jawa (<https://www.atmicikarang.ac.id>)
- Status : Private Politechnic (owned by Jesuit)
- Focus on Mechanical, Mechatronic, Design Engineering, & Industrial Management
- Student Capacity : ATMI Surakarta : 800
ATMI Cikarang : 450
- Students start after high school level (18 years old)
- 100% success rate : 90-95% find full-time job in related industries,
5-10% start their own business or continue to higher education

OUR Campus

POLITEKNIK INDUSTRI ATMI

Jababeka Education Park

Jl. Kampus Hijau No. 3, Cikarang

Baru, Bekasi - Indonesia

Land

: 44,000 m² (Start 2003)

Buildings

: 15,000 m² (in progress)

Lecturer/Instructor

: 59

Students

: 450 Students

PT ATMI Cikarang
(ATMI Group)

Arrupe
Jesuit
Residence

Xaverius
Dormitory

Domus Aula
Stefanus

Sports Center

Manufacturing
Workshop

Classroom &
Mechatronic
Workshop

Cafeteria

Parking
Area



ATMI was founded in
Surakarta

1968



The Minister of Education of the
Republic of Indonesia, **Prof. Dr. Ing.
Wardiman Djojonegoro** made **ATMI** as a
reference for national vocational
education

1995



1971

ATMI began to be led by **Father J.B.
Casutt SJ** from Switzerland who
carries a mission to improve the
quality of vocational education in
Indonesia



2003

Father J.B. Casutt SJ founded **ATMI
Cikarang** at the encouragement
of alumni to improve the quality
of industrial professionals in the
Jababeka-Cikarang area



VISI

Membangun sumber daya manusia berkarakter unggul melalui pendidikan vokasi sebagai tulang punggung masyarakat industri dan pendidikan vokasi yang menghormati martabat manusia dan lingkungan hidup

MISI

Mendidik kaum muda menjadi tenaga profesional yang memiliki kemampuan teknis dan tanggung jawab moral yang dirumuskan dalam 4C+L:

COMPETENCE, CONSCIENCE, COMPASSION, COMMITMENT, & LEADERSHIP

TARGET TA 2023/2024

1. Keterserapan lulusan ke dunia kerja ≤ 3 bulan
2. Kenaikan dan/atau kelulusan $\geq 99\%$
3. Riset & development dengan industri ≥ 5 produk
4. Peserta "awareness industri" ≥ 5 SMK
5. Peserta training ≥ 10 lembaga
6. *Delivery time & Quality product* $\geq 70\%$

Pelayanan: Edukasi, Penelitian, Pengabdian Masyarakat, Produksi, Training, Jasa (*Coding & Konsultan*)

Kompetensi masa depan: Literasi Digital, *Coding*, Bahasa Inggris, Analisa Desain, Maintenance, *Public Speaking*

Link & Match

Sertifikasi

Standar Mutu
Perguruan Tinggi
Vokasi

Ajaran Sosial
Gereja

Rencana Apostolik
Provindo

Basic Mentality:

Sukacita, Panggilan hidup, jujur, disiplin, taat azas, mau belajar terus menerus, Religiusitas, aman bagi sesama, Kemampuan mencatat dan melaporkan, Growth Mindset

ATMI Education Approach : Educative Production align with

Development

- Industry 4.0
- Scientific Molding
- Industrial Automation
- Plastic Center
- Product Development
- Production Based Education
- Customized Sheet Metal
- Special Purposed Machine

Education (Polytechnic & Vocational High School)

Productive Education

D3-D4 Manufacture, D3-D4 Design, D3-D4 Mechatronic
D3 Industrial Management



POLITEKNIK ATMI SURAKARTA

- Since 1968
- cap : 1000 students
- 5 Fields D3
- 3 Fields D4

Vocational High School SMK Mikael



- Since 1962
- Cap : 504 students
- Mechanical & Design



ATMI Bizdec

- Training
- Consultancy



Educative Production



- Sheet Metal
- SPM
- Machineries



- Mold & Dies
- Stamping Parts
- Product Development



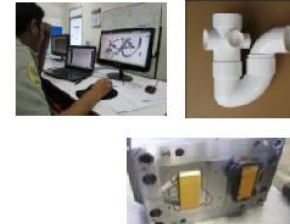
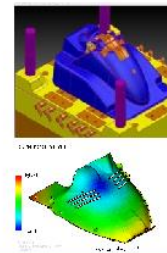
- Mold & Dies
- Plastic
- Product Development



- Sheet Metal
- Laser Cutting

Teaching Industries / Companies :

- Sustainable, Industrial Projects
- Technology Transfer
- Partnership



Industries partners



Alumnus owned Industry



POLIN ATMI as a center and network development among Industry – Universities – Government and Communities / Associations to build the excellent vocational human resources

INTERNATIONAL UNIVERSITY LIAISON INDONESIA, IULI, SGU SWISS GERMAN UNIVERSITY, UNIVERSITAS SRINATA DIEREMA YOGYAKARTA, UNIVERSITAS ATMA JAYA YOGYAKARTA, DEGGENDORF INSTITUTE OF TECHNOLOGY, UNIVERSITAS INDONESIA, ATMA JAYA, Etc..

PT. YPTI, SUMMIT ADYAWINSA, DYNAPLAST, PT AISIN INDONESIA, Nestle, FUSO, STANLEY, FajarPaper, Sugar Group Companies, UnitedCan, Kawan Lama Commercial & Industrial Supply, Etc..

POLITEKNIK INDUSTRI ATMI

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN, KEMENTERIAN PERINDUSTRIAN REPUBLIK INDONESIA, KEMNAKER, BNSP, BADAN NASIONAL SERTIFIKASI PROFESI, BAN-PT, Etc..

SITECO Association for Swiss International Technical Connection, apii, Indonesia Mould & Dies Industry Association, ASIMPI, Etc..

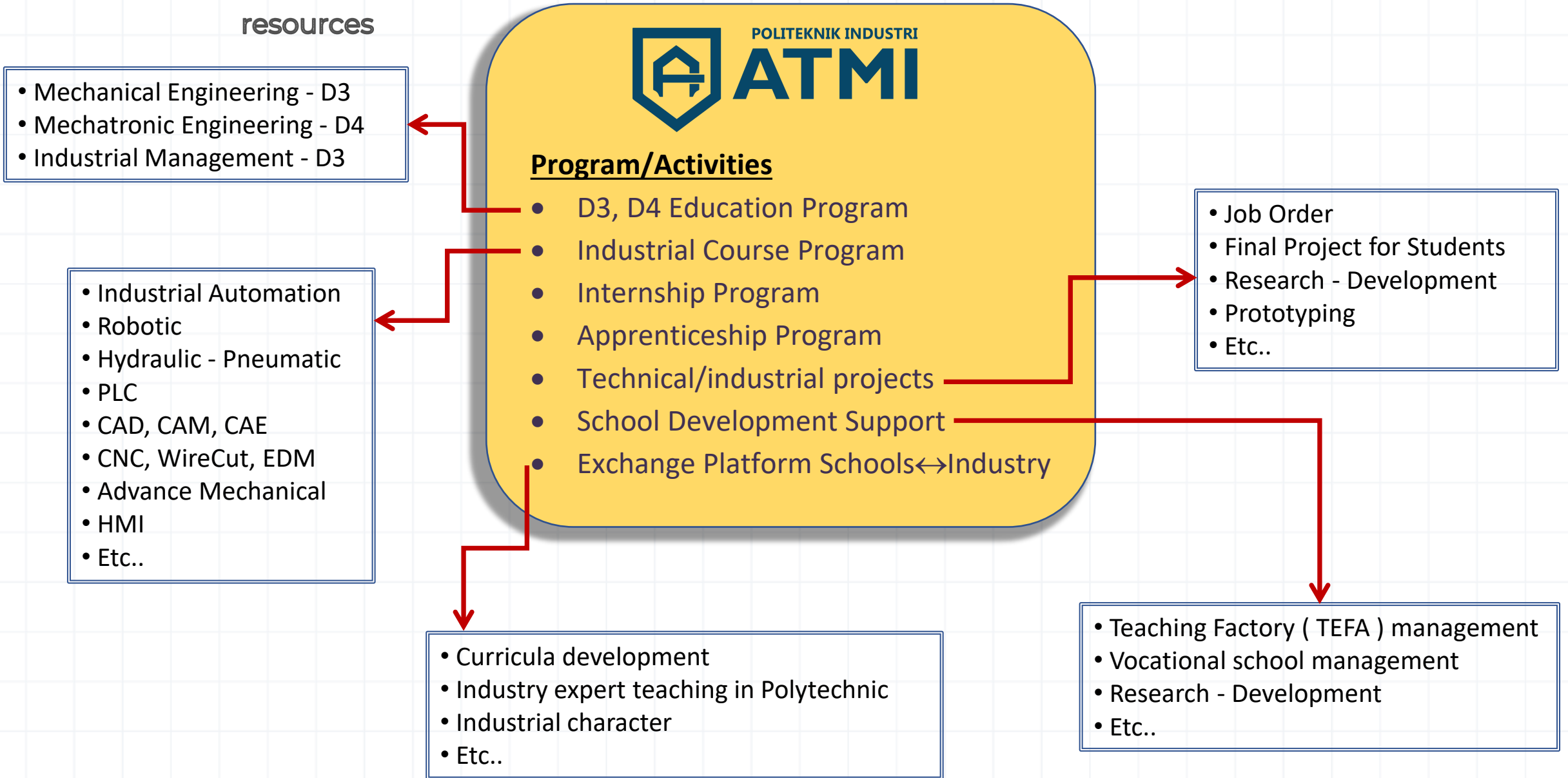
- Join Research
- Student Exchange
- Lecture Exchange
- Etc

- Knowhow Support
- Product Development / Research
- Industry Expert
- CSR
- Etc

- Regulation
- Certification
- National Program
- Etc

- Join Program
- Certification
- Etc

POLIN ATMI as a center and network development among Industry – Universities – Government and Communities / Associations to build the excellent vocational human resources



ATMI Educational Model

Production Based Education and Training (PBET)



67% practical work



33% theory



Dual System



**WIR SUCHEN
LEHRLINGE**

- 2/3 Practical – 1/3 Theory
- 1 student 1 machine
- Industrial Standard + Character Building

- Industrial Experiences
- Final Projects
- Technology Transfer

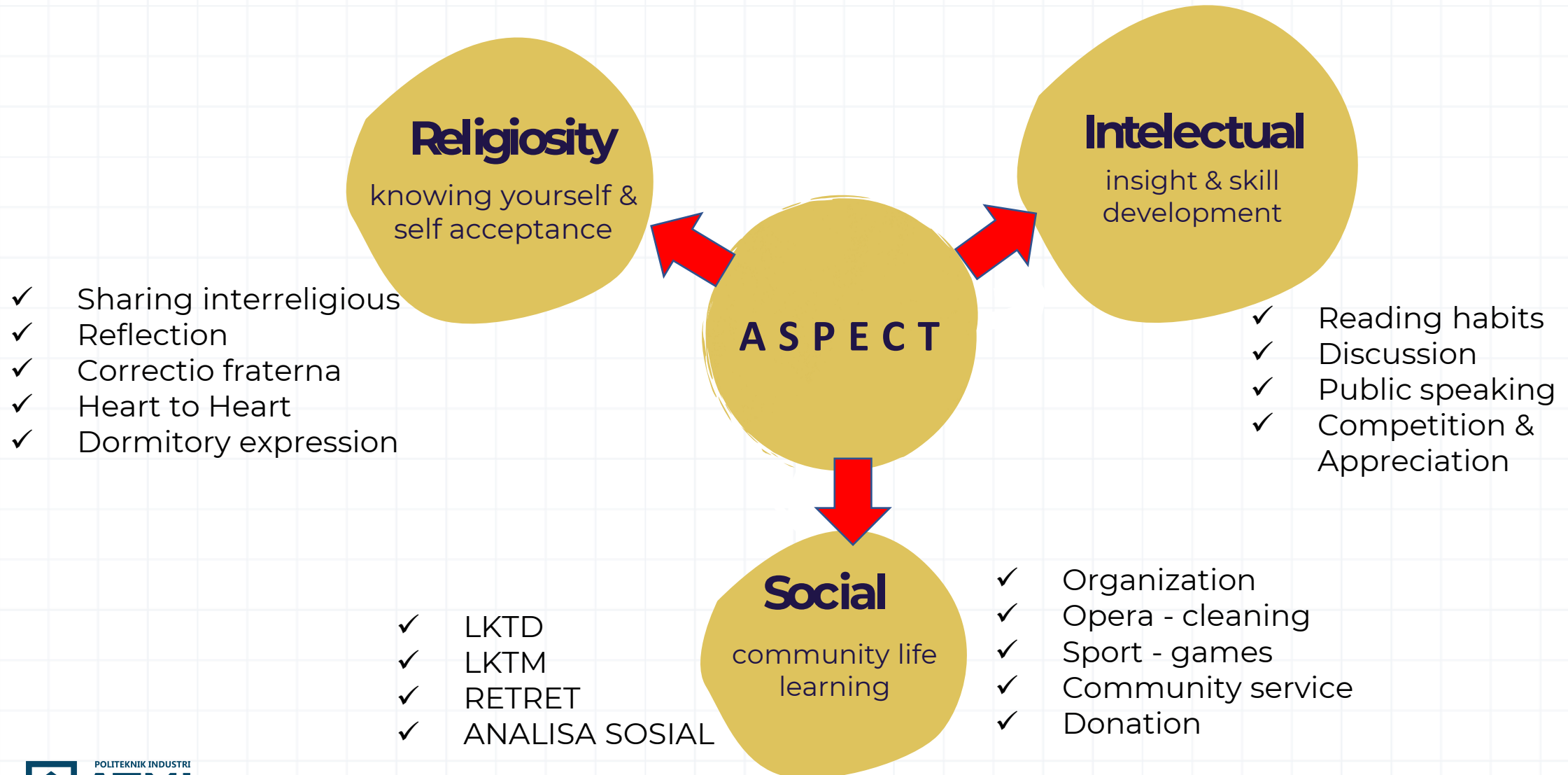
Study Programs:

- Mechanical Engineering - 3 Years Education
- Mechatronic Engineering - 4 Years Education
- Industrial Management - 3 Years Education

Student Activity at Workshop



Student Activity at Dormitory



Training



Teaching Factory



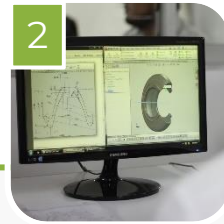
Product





1 BASIC MECHANICAL

- ✓ Measuring
- ✓ Bench Work
- ✓ Turning & Milling Konvensional
- ✓ Technical Drawing
- ✓ Grinding
- ✓ Welding



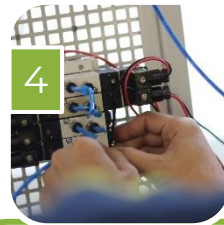
2 ENGINEERING DESIGN

- ✓ Basic Design
- ✓ 2 & 3D CAD
- ✓ CAM



3 ADVANCED MECHANICAL

- ✓ NC & CNC Turning & Milling
- ✓ WCut & EDM
- ✓ CAM Programming



4 ELECTRIC, PLC & PNEUMA

- ✓ PLC
- ✓ Industrial Automation
- ✓ HMI
- ✓ Hydraulic Pneumatic
- ✓ Robotic



5 MANAGEMENT WORKSHOP

- ✓ Tool Management
- ✓ Measuring Tool & Calibration

Short - term courses

- 1 week - 4 weeks

- Customize

Industrial Training: 51 companies

PT AHM, PT Nestle, PT Komatsu, PT Hino Motor Mfg, PT. Unilever, PT Bintang Toedjoe, Orang tua Group, PT. Akebono, ETC

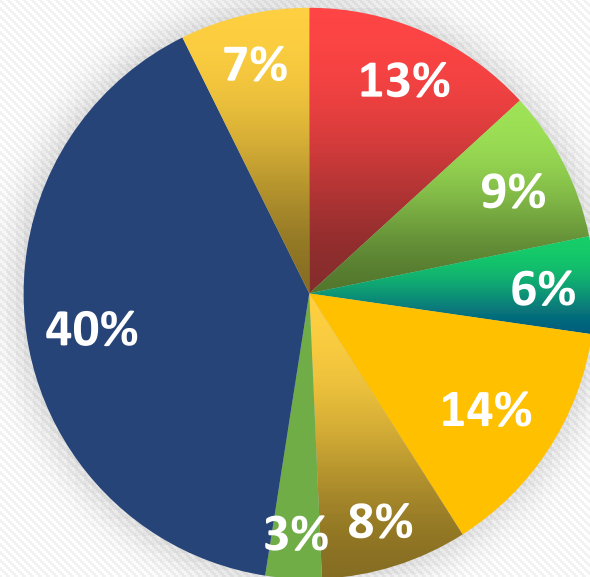
Internship Prog: 3 Universities

President Unv., SGU, IULI

Apprenticeship Prog: 2 Companies

PT Fajar Paper, PT Nestle

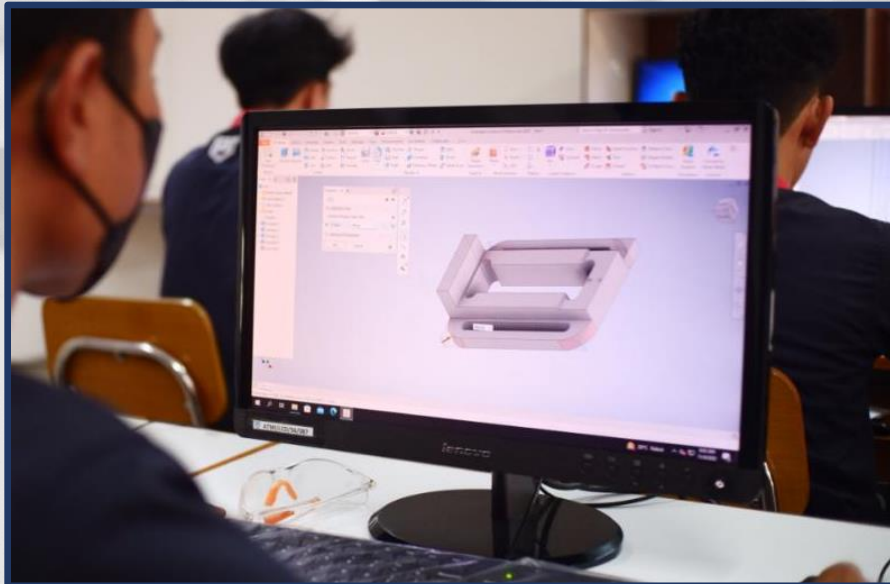
Training Courses Distribution



- Design Engineering
- Basic Mechanical
- Advance Mecahanical
- Mechatronics
- Maintenance
- Others
- Internship
- Assessment

+ Machining Center

Dilengkapi dengan mesin-mesin berskala industri untuk memenuhi kebutuhan praktik mahasiswa dalam melatih kompetensi di bidang manufaktur.



+ Design & Engineering Center

Menjadi sarana bagi mahasiswa dalam melakukan pembelajaran praktik perancangan desain dan rekayasa produk-produk yang sesuai dengan kebutuhan dunia industri.

+ Mechatronics Center

Menyiapkan kompetensi mahasiswa dalam bidang mekatronika, otomasi industri, dan robotik sebagai pendukung perkembangan dunia usaha dan dunia industri menuju ke era Industri 4.0.





Information System

Please Select website :

Workshop Integrated System

ATMI Data Bank

AAIS

Stamping Production System

e-Coin

e-Library

Workshop Integrated System Education

Phone Extension ATMI Cikarang

Contact Person:

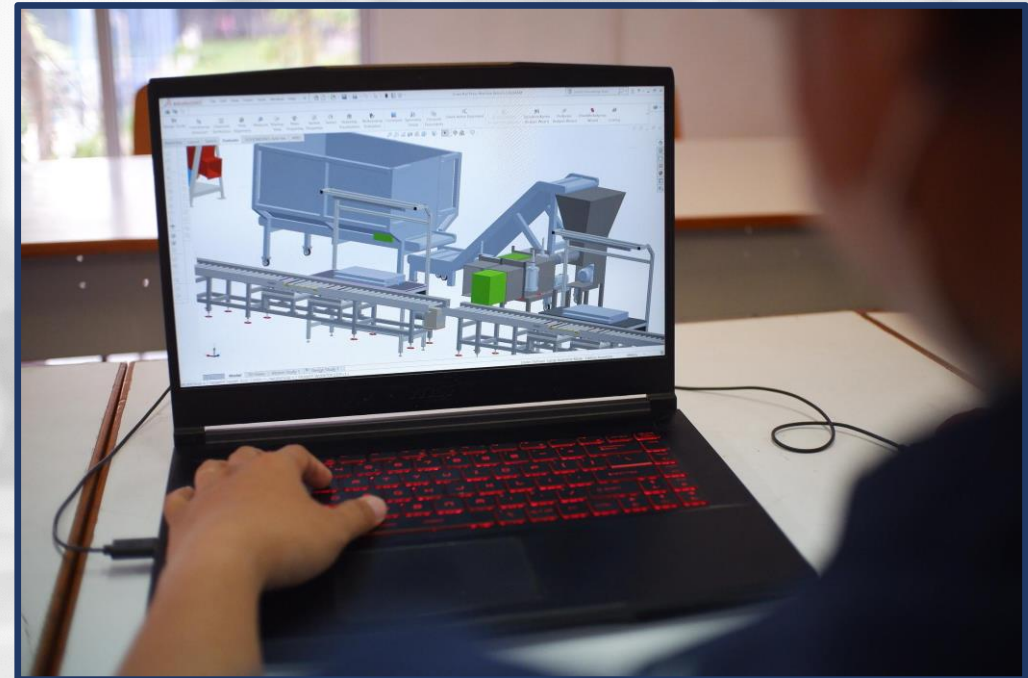
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 Information Technology Division
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+ Industrial Management Center

Melatih kompetensi mahasiswa dalam melakukan proses manajemen sistem produksi berbasis teknologi informasi sesuai dengan tuntutan dunia industri.

+ Research & Development Center

Siap mendukung proses penelitian berbasis terapan dan pengembangan produk-produk dari mitra dunia usaha dan dunia industri.



- ✓ As the Teaching Factory, PT. ATMI Cikarang support the implementation of
- ✓ PT. ATMI Cikarang : *Job Shop & Mass Production*
- ✓ Product : Dies, Mold, Special Purpose Machines, Stamping Parts



ATMI Plastic Recycling System



Plastic Shredder, Hot Press & Cold Press

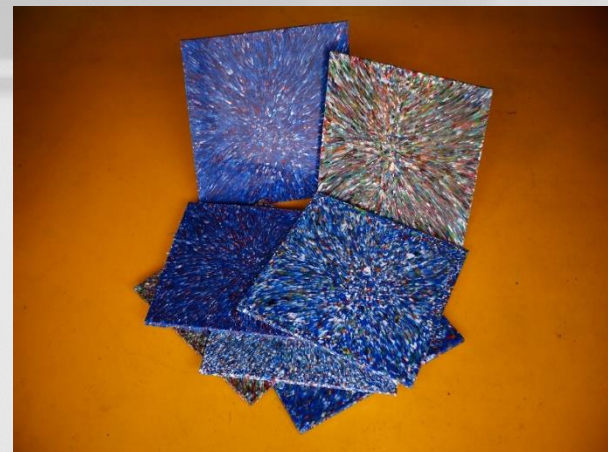
- Produk : Plastic Sheet press 60 x 60 x 1 Cm (ketebalan dapat disesuaikan dengan cetakan)
- Proses Hot Press : +/- 20 menit
- Temperatur : 180°
- Daya Listrik : 3.000 W
- Kapasitas Produksi / hari : 10 – 12 pressed plastic sheet



Unik dan tidak sama satu dengan yang lainnya. Seperti kita yang beragam diciptakan Tuhan dan dicintai secara personal sesuai keunikan masing-masing

Memegang medali Laudato Si = Menjadi pemenang dan pejuang pelestarian lingkungan

ATMI Plastic Recycling System



ATMI Information Systems

Information System

Please Select website :

- Workshop Integrated System
- ATMI Data Bank
- AAIS
- Stamping Production System
- e-Coin
- e-Library
- Workshop Integrated System Education

Phone Extension ATMI Cikarang

Contact Person: Search

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Politeknik Industri ATMI
COMPETENTIA - CONSCIENTIA - COMPASSIO
Jln Kampus Hijau No 3, Jababeka Education Park, Cikarang Baru Bekasi 17520

Workshop Integrated System Education
:: Online Workshop Planning & Monitoring ::
Jumat, 04 November 2022 3:28:55 PM

Logout Home Production Shop Director Marketing Purchasing PPIC Design Warehouse Accounting Production Reports F O Sanctos P Tukan

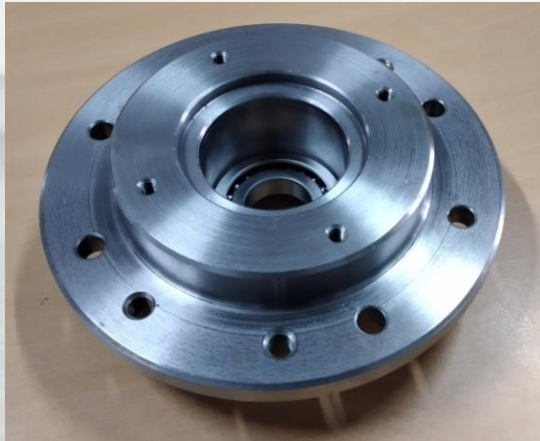
Home

Hai F O Sanctos P Tukan,
Welcome to **Workshop Integrated System Education**
You can change your username or password at [Edit Profile](#)

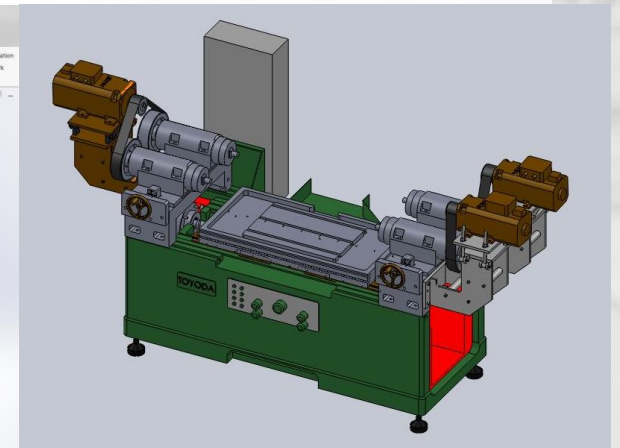
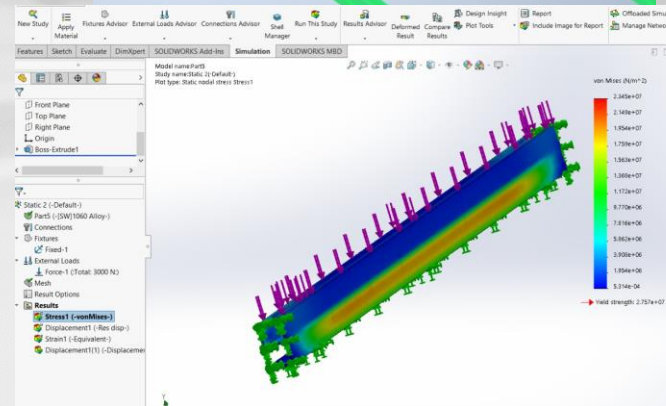
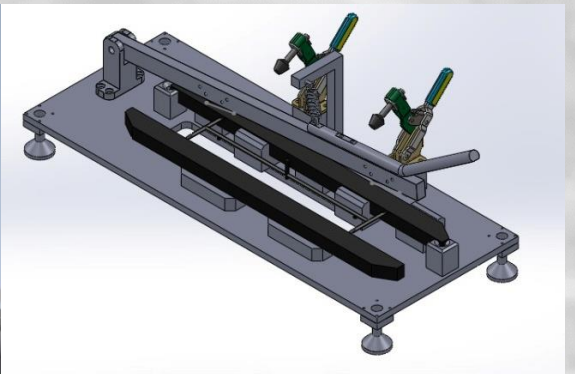
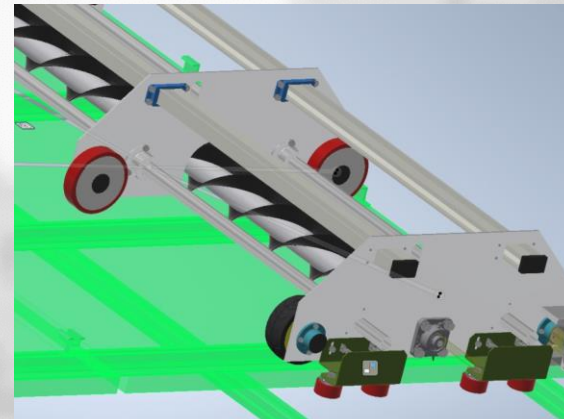
Production Lines
Individual Machines
Manual Work Cells
Standard Clients
Browser-Based
Internet
Phone Client
SERVER
Clients

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Precision Part



Design & Engineering



Production Information System

Machine: NVH 2 06 Jan 2022 17:11:52

Machine Status | Tools Status | Loading Machine | SPH

| No | Customer | Part No | Part Name | Target |
|----|----------|-------------|--------------------|--------|
| 1 | TMMIN | 55223-0K040 | INSULATOR, DASH... | 380 |
| 2 | MMKI | 6320A412 | INSULATOR, COWL | 424 |

Machine Loading

Machine: NVH 2 06 Jan 2022 17:11:04

Machine Status | Tools Status | Loading Machine | SPH

55223-BZ160-00

INSULATOR, DASH PANEL OUTER

RUNNING

| Target | Plan | Actual (+3) | NG | Balance |
|--------|------|-------------|----|---------|
| 200 | 195 | 192 | 0 | 8 |

Running Time: 07:13 Average CT: 324 Trial Time: 00:14 Dandori Time: 00:23

NVH 2

Joko Aspal

Machine Status

Machine: NVH 2 06 Jan 2022 17:12:13

Machine Status | Tools Status | Loading Machine | SPH

| No | Time | Plan SPH | Act SPH | Status |
|----|-------|----------|---------|---------|
| 1 | 07:13 | 195 | 192 | Running |
| 2 | 07:13 | 195 | 192 | Running |
| 3 | 07:13 | 195 | 192 | Running |

SPH

Machine: NVH 2 06 Jan 2022 17:11:34

Machine Status | Tools Status | Loading Machine | SPH

Dies ID : Dies X2 Cavity : 3

Lifetime: Setting : 10000 Actual : 6432 Remain : 3568

Tool Status

Machine: NVH 6 10 Nov 2020 21:59:36

Machine Status | Tools Status | Loading Machine | SPH

85427-52S00

INSULATOR, FR RISER, R

DANDORI

| Target | Plan | Actual (+2) | NG | Balance |
|--------|------|-------------|----|---------|
| 366 | 0 | 0 | 0 | -366 |

Running Time: 00:00 Average CT: 0 Trial Time: 00:00 Dandori Time: 00:00

NVH 6

Joni Kemod

Machine: NVH 6 10 Nov 2020 22:21:55

Machine Status | Tools Status | Loading Machine | SPH

85427-52S00

INSULATOR, FR RISER, R

RUNNING

| Target | Plan | Actual (+2) | NG | Balance |
|--------|------|-------------|----|---------|
| 366 | 0 | 0 | 0 | -366 |

Running Time: 00:00 Average CT: 0 Trial Time: 00:00 Dandori Time: 00:03

NVH 6

Joni Kemod

Machine: NVH 6 10 Nov 2020 22:36:24

Machine Status | Tools Status | Loading Machine | SPH

85427-52S00

INSULATOR, FR RISER, R

MACHINE TROUBLE

| Target | Plan | Actual (+2) | NG | Balance |
|--------|------|-------------|----|---------|
| 366 | 0 | 0 | 0 | -366 |

Running Time: 00:00 Average CT: 0 Trial Time: 00:00 Dandori Time: 00:03

NVH 6

Joni Kemod

Machine Name : NVH 6
Operator Name : Joni Kemod
Produksi QC

Grup : Shift :

Operator A : Joni Kemod

Operator B : Finish Repair

Operator C : Finish Produksi

Operator D : MC Trouble

Close

Machine: NVH 6 10 Nov 2020 22:03:06

Machine Status | Tools Status | Loading Machine | SPH

85427-52S00

INSULATOR, FR RISER, R

IDLE

| Target | Plan | Actual (+2) | NG | Balance |
|--------|------|-------------|----|---------|
| 366 | 0 | 0 | 0 | -366 |

Running Time: 00:00 Average CT: 0 Trial Time: 00:00 Dandori Time: 00:03

NVH 6

Joni Kemod

Machine: NVH 6 10 Nov 2020 22:55:32

Machine Status | Tools Status | Loading Machine | SPH

85427-52S00

INSULATOR, FR RISER, R

FINISH

| Target | Plan | Actual (+2) | NG | Balance |
|--------|------|-------------|----|---------|
| 366 | 0 | 329 | 0 | -367 |

Running Time: 00:00 Average CT: 329 Trial Time: 00:00 Dandori Time: 00:03

NVH 6

Joni Kemod

Machine Name : NVH 6
Operator Name : Joni Kemod

Maintenance

Penyebab : seal bocor

Solusi : ganti seal baru

Start Repair

Trouble Finish

Close

Machine: NVH 6 10 Nov 2020 23:01:11

Machine Status | Tools Status | Loading Machine | SPH

85427-52S00

INSULATOR, FR RISER, R

READY

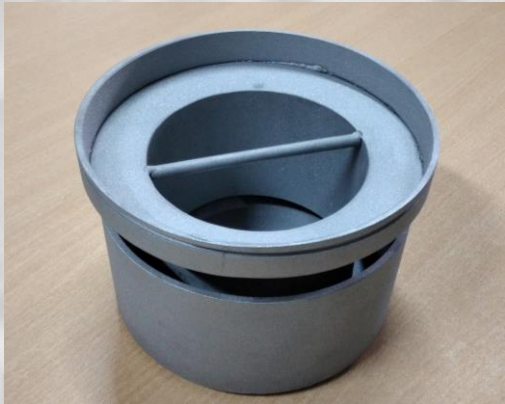
| Target | Plan | Actual (+2) | NG | Balance |
|--------|------|-------------|----|---------|
| 366 | 0 | 329 | 0 | -367 |

Running Time: 00:00 Average CT: 329 Trial Time: 00:00 Dandori Time: 00:03

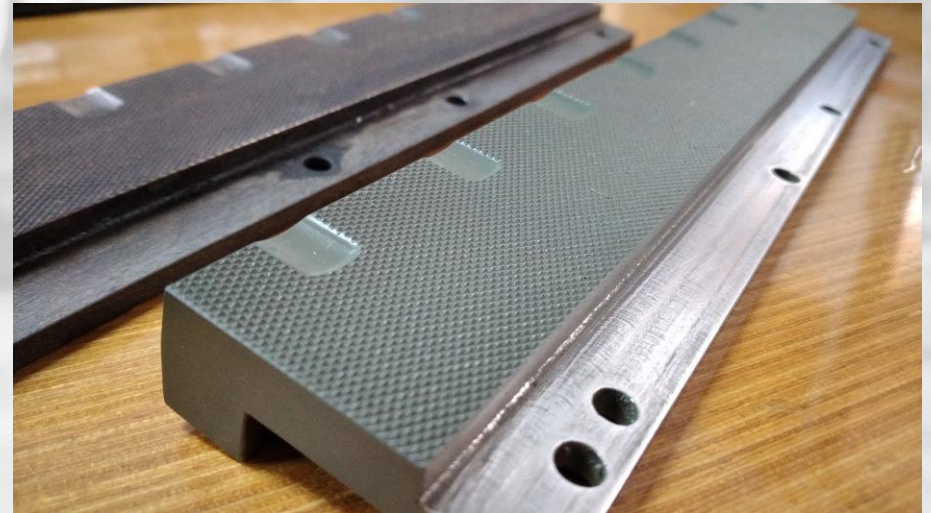
NVH 6

Joni Kemod

Product Development & Manufacturing



Reverse Engineering & Product Manufacturing



Automation System Development & Installation



- **PT Indofood CBP Sukses Makmur, Tbk.**
- **PT Bintang Toedjoe**
- **PT Sanwell Austindo**
- **PT SIIX EMS Indonesia**
- **PT Asahimas Flat Glass, Tbk.**
- **PT Santoso Teknindo**
- **PT Tuffindo Nittoku Autoneum**
- **PT Ultimax Mitra Agung**
- **PT Murinda**
- **PT Sriedjeki Perdana Steel**
- **PT Somagede**
- **PT Bayu Bening Sejahtera**
- **PT ATMI Cikarang**
- **PT ATMI Solo**
- **PT ATMI IGI**
- **PT Esa Behrindo ATMI Jaya**
- **PT ATMI Mikael Fortuna**
- **PT Minori**
- **PT ACS Engineering**
- **PT Motivator Kontrol Mekatronik**
- **Yayasan Pulo Kambing**
- **Bank Sampah Puspa Cindra Kana**
- **CV Nurindo Teknik Pratama**
- **etc.**

THANK YOU

