



# COMPANY PROFILE

Manufacturing and Machining  
of Mechanical Metal Parts





## ABOUT OUR COMPANY



**Teguh Supriyanto**  
President Director

PT. Diametral Involute (DIV) is Local industry experience more than 25 Years which produce Automotive Parts especially machining, forging, heat treatment and Aluminum Casting.

Producing gear sprocket, shaft, bushing and another parts of machining process, We offer high quality, competitive rate with more than 500 professional to serve our partner. Become Indonesia face in worldwide Industry.



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Ciampel Kerawang Timur Jawa Barat



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## CORPORATE CULTURE

# INVOLUTE

novation      aluable      ptimal      abored      nderstand      rusted      xcellent

## VISION

to be world class corporate that is adaptive, trusted and globally competitive

## MISSION

1. Improving human resource competence to be globally competitive
2. Increasing effectiveness & efficiency of productivity
3. Produce & develop international product standard
4. Develop technology accordingly to the needs of times
5. Develop business that adapts based on global market needs orientation

# MILESTONE



**TJOKRO  
BERSAUDARA**

**Tjokro Bersaudara  
Surabaya**  
1948

**Tjokro Bersaudara  
Branch Jakarta**  
1968

**PT. MORITA  
TJOKRO  
GEARINDO**

**Gear Dept. Of  
PT. PIMSF**  
1981

**PT. Morita Tjokro Gearindo  
Gear & Mechanical Part Specialist**  
1987

**PT. DIAMETRAL  
INVOLUTE**

**Product of MTG**



**Export Market**

Export Department of  
PT. Morita Tjokro Gearindo

**Industrial Equipment**

1994 - 1996



**Established of  
PT. Diametral Involute**

1<sup>st</sup> step of PT. Diametral Involute.  
Produce spare part for  
Agriculture Tractors (100% export)

**Gear for Agriculture (REM)**

1997 - 2000



**1<sup>st</sup> Local Market Product**

1<sup>st</sup> Motorcycle Engine Part,  
Sprocket Timing, Sprocket Starting,  
& Gear Starter Driven

**Simple Gear for 2W**

2000 - 2010



**Expanding Local Market**

Engine Parts for  
Cub & Sport Motorcycle

**Simple Gear for 2W Expansion**

2010 - 2014



**Precession Part**

Engine Parts for Motorcycle,  
Hydraulics components,  
& other 4W Products

**Precession Part Supply Engine 2W & 4W**

2014 - 2021



## BUSINESS MODEL

### High Precision Part



### Competency



# **OUR LINE PRODUCTION**



# List MACHINE

## EQUIPMENT

CMM Manual	1 unit
CMM Automatic	1 unit
Contour Machine	2 unit
Roughness machine	1 unit
Gear Profile Projector	1 unit
Gear tester machine	2 unit
Form tester machine	2 unit
Surface flat	2 unit
Height gauge	2 unit
Straightening	1 unit

## MACHINING

CNC Lathe Machine	191 Unit
Gear Hobbing Machine	81 Unit
Manual Lathe Machine	12 Unit
Drilling Machine	17 Unit
Gear Deburring Machine	8 Unit
Gear Shaper Machine	17 Unit
Gear Shaver Machine	5 Unit
Inner Dia Grinding Machine	9 Unit
Outer Dia Grinding Machine	25 Unit
Thread Rolling Machine	3 Unit
Vertical Machining Center	6 Unit
Milling Machine	18 Unit
Welding (MIG & Plasma)	16 Unit
Broaching Machine	4 Unit

## FORGING

Cutting Machine	1 Unit
Annealing Machine	1 Unit
Forging Machine 450 T	1 Unit


## HEAT TREATMENT

Furnace Machine (DOWA)	3 unit
Washing Machine (NACHI)	1 unit
Sand Blasting Machine	1 unit
Hardness Checker Machine	1 unit
Micro Structure Machine	1 unit
Cutting & Polishing	1 unit
Mounting Machine	1 unit

# Equipment Facility



**STRAIGHTENING MACHINE**



**CONTOUR & ROUGHNESS  
TESTER MACHINE**




**FORM TESTER MACHINE**



**GEAR TESTER**



**GEAR PROFILE  
PROJECTOR**



**AUTOMATIC CMM**



**MEASURING EQUIPMENT**



**GEAR TEST PROCESS**





## Our Customer

**AHM**  
PT Astra Honda Motor

**Kawasaki**



**YAMAHA**

**ASTRA Otoparts**



**HT**  
Honda Trading

**HITACHI**

**TOYODA GOSEI**

**JAN-EN**

**SUZUKI**

**JTEKT**

**KOBAYASHI**  
AUTOPARTS (THAILAND) LTD.

**Autotec**  
PT AUTOTECH INDONESIA  
World Leadership in Steering Technology

**KOMATSU**

## Our Product



SHAFT COUNTER  
(AHM)



GEAR COUNTER  
(AHM)



GEAR SPUR 0864  
(KMI)



GEAR COMP KICK ST.  
(AHM)



GEAR COMP. FINAL  
(AHM)



GEAR COMP. 0888  
(KMI)



GEAR IDLE  
(AHM)



GEAR COMP 0900  
(KMI)



GEAR SPUR 0863  
(KMI)



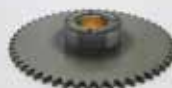
GEAR COMP ST. KTN  
(AHM)



SPINDLE COMP.  
KICK STARTER  
(AHM)



GEAR COMP. 0704  
(KMI)



GEAR STARTER DR. KCH  
(AHM)



WHELL STARTER  
(YIMM)



SHAFT DRIVE KOWL  
(AHM)



GEAR ST.IDLE 25  
(SUZUKI)



## Our Product





**HEAD REVERSE  
(SANEN)**



**PISTON CALIPER  
(HITACHI)**



**COLLAR R. CRANK  
(AHM)**



**DRUM GEAR SHIFT  
(AHM)**



**SHAFT DR. GEAR  
(YIMM)**



**RACE  
(KMI)**



**CASE COMP  
THERMOSTAT  
(AHM)**



**RACHEST ST. KZL  
(AHM)**



**NUT  
(KMI)**



**ARM RELAY  
(YIMM)**



**PISTON MASTER  
(HITACHI)**



**SHAFT IDLER  
(KMI)**



**BALANCER  
(KMI)**



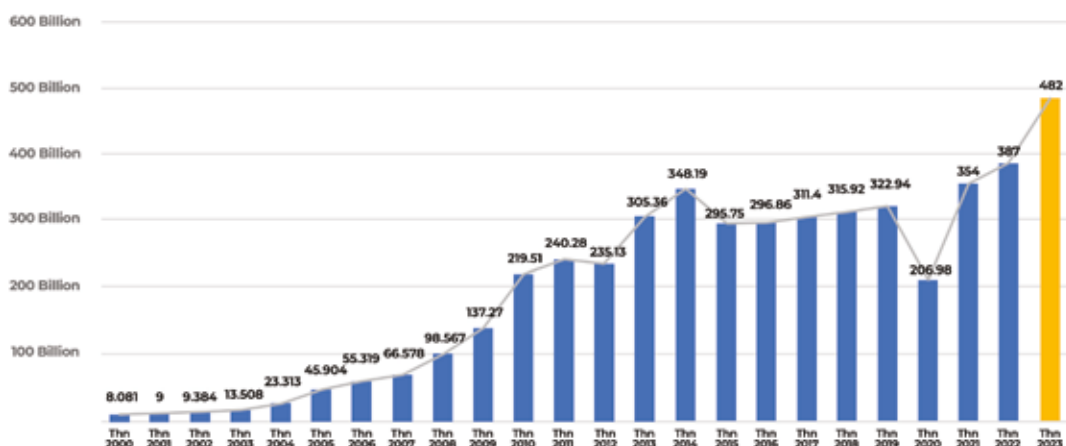
**ROD CONECTING  
(YIMM)**



**YOKE  
(AUTOTECH)**

# OUR REVENUE

## Milestone Sales PT. Diametral Involute 2000 ~ 2023



**Note :**  
Revenue in  
Billion Rupiah.



## TRANSMISSION GEAR

### Line Production

Transmission gear has 5 line production with 31 unit machine and 2 unit gear checker machine



## **Development Project**

Transmission gear project started development in 2019. This is our new challenging to produce transmission gear set on K1ZA type. We prove it to produce transmission gear and become our concern to develop another project transmission gear.

## **Mass Production**

- Gear Counter 23422-K1ZA-J100
- Gear Final 23432-K1ZA-J100-H1
- Shaft Drive 23411-K1ZA-J100
- Shaft Counter 23421-K1ZA-J100
- Shaft Final 23431-K1ZA-J100-H1
- Gear Comp Final 23430-K1ZA-J100



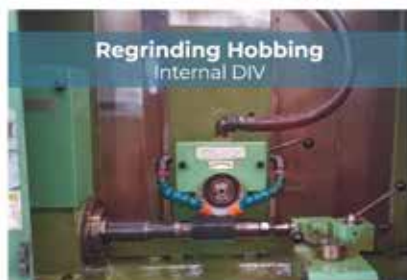
## TRANSMISSION GEAR KIZA

Transmission is power transferring from the motorcycle engine to the drive wheels



## MACHINE & EQUIPMENT FACILITY

Line Transmission





## Line Production

Heat Treatment is our facility in production to support our process Carburizing in plant. In the future, we plan Heat Treatment division will be a company independent to support Diametral Involute Group.

## HEAT TREATMENT



## COLD FORGING

### Line Production

Cold forging is our facility in production to produce our needs material in plant. For the next, we plan cold forging will be a company independent.





# ALUMINUM CASTING

## Line Production

PT Diametral Involute has expanded business to new line business manufacture in Aluminum Casting. The company name is Tjokro Asahi Cemerlang Indonesia (TACI) in Industry Pulogadung Area.



## ALUMINUM CASTING MACHINE & EQUIPMENT

DIECASTING MACHINE 125T	2 UNIT
DIECASTING MACHINE 250T	1 UNIT
DIECASTING MACHINE 350T	2 UNIT
DIECASTING MACHINE 800T	1 UNIT
COMPRESSOR MACHINE	3 UNIT
BARRELMACHINE	1 UNIT
SHOOT BLAST MACHINE	3 UNIT
PRESS MACHINE	1 UNIT
DRILLING MACHINE	1 UNIT
BUFFING MACHINE	4 UNIT
SPECTROSCOPIC	1 UNIT
CMM	1 UNIT
STRENGTH TESTING	1 UNIT
VACUM TESTER	1 UNIT



### Customer



**MITSUBISHI  
ELECTRIC**



**YASUNAGA CORPORATION**



**PT. MESIN ISUZU INDONESIA**



**TJOKRO GROUP**

### Product



Stay Case R/L



Bracaket Front

Holder Lever

**THANK YOU**

**WE LOOK FORWARD**

TO WORKING WITH YOU

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