Machining Solutions for 2 Wheeler Components
Machining Solution for 2 Wheeler segment

**Satisfied Customers**

Bajaj Auto Ltd.
Hero MotoCorp Ltd
Honda Motor Cycles & Scooters India Pvt. Ltd
India Yamaha Motors Pvt. Ltd.
LML Ltd.
Mahindra Two Wheelers Ltd
Royal Enfield (Eicher Motor Cycles Ltd)
Suzuki Motor Cycles India Ltd
TVS Motors Ltd

T1 Associates of above companies

Astra Honda, Indonesia
Bestex MM India Pvt. Ltd
Endurance Technologies Pvt. Ltd
Gabriel India Ltd
Goshi India Auto Parts Pvt. Ltd
Indo Autotech Ltd.
Munjal Showa Ltd.
Musashi Auto Parts, India Pvt. Ltd.
Musashi Auto Parts, Indonesia
Neel Auto Pvt. Ltd.
PT Showa, Indonesia
Satyam Auto Components Pvt. Ltd.
Showa India Pvt. Ltd.
Varroc Engg. Pvt. Ltd.
Over view - Machining solutions for 2 Wheeler Segment

- Cylinder Block
- Cylinder Head
- Cam shaft
- Crank case
- Crank shaft
- Connecting Rod
- Transmission shaft
- Gear Primary Driven
- Mission case
- Crank case cover
- Front fork - Outer tube
- Swing arm
- Frame Body
- Gear Shift Drum
SPMs & Fixtures for Cylinder block operations

- CNC two spindle fine boring machine with auto tool correction
- Two station drilling and tapping machine
- Multispindle bolt hole drilling machine
- Drilling & tapping Machine
- Multispindle rotary table bolt hole drilling, hole milling & reaming machine
- Bolt Hole Drilling & reaming
- Fixtures for Cylinder block operations On Machining center
SPMs & Fixtures for Cylinder Head operations

Valve Seat Plunging & Valve Guide Reaming

Parent bore drilling machine for Valve seat & valve guide bore

3 Spindle Ex. face drilling, boring & spot facing machine

Fixtures for Cylinder head operations On Machining center

3 Spindle Rotary Milling m/c

Valve Seat Generating & Valve Guide Reaming
SPMs & Fixtures for Crank case operations

- 2 Way Multispindle Horizontal tapping machine
- Two station Multispindle Vertical Tapping machine
- Fixtures on GPMs for Crank case
- 3 Way Multi Spindle Drilling Finish Boring & Reaming
- 3 Spindle Rotary Milling m/c
- Two way fine boring & reaming m/c
SPMs & Fixture for Crank shaft operations

- Vertical Face milling machine
- Facing & centering machine
- 4 station rotary solid drilling, plunge facing and boring machine
- 4 Spindle Oil Hole Gundrilling Machine
- Fine boring machine for pin bore (with auto tool correction)
- Slant hole drilling machine
- MQL Oil Hole & Cross Hole Drilling Machine
- Datum hole drilling machine
SPMs for Frame body & Swing arm operations

Finish boring machine for both end – Frame body

2 Way 4 Spindle Fine Boring Machine - Swing Arm

2 Way 2 Spindle Fine Boring Machine – Swing Arm
SPMs for Connecting rod operations

- Rough & fine boring machine for small end & big end bore
- Rotary table horizontal drilling, rough boring, fine boring & chamfering machine
- Two Spindle small end fine boring machine with NT tool correction system
- Single spindle small end fine boring machine with NT tool correction
SPMs for Cam shaft operations

Cam shaft facing and centering machine with Gantry system for loading/unloading

Wood peck drilling machine

Cam milling machine with Gantry system for loading/unloading

CNC key way and Cam milling machine

Machines with Gantry automation

WiDMA
SPMs for Transmission shaft operations

Facing & centering machine - plunge

Drilling & centering machine

Oil hole gun drilling machine

Vertical slot milling machine
SPMs for Front fork (outer tube) operations

- Two spindle horizontal BTA C'boring machine
- Front Fork – Shock Absorber Tube
- Six spindle CNC both end processing machine
- Multi Tasking Machine
  Combination Turning & BTA Counter Boring Machine
- Two spindle vertical BTA C'boring machine
- Two spindle vertical drilling and spot facing machine
Fixtures for 2 Wheeler components on Machining Center

Cradle Type Fixture for Cylinder Head
Cradle Type Fixture for Cylinder Block
Cradle Type Fixture for Crank case
Cradle Type Fixture for Transmission Case
Cradle Type Fixture for Crank Case Cover
Fixture for Crankshaft
Cradle Type Fixture for Cam Shaft Holder
Cradle Type Fixture for scooter crank case left

“Over 1000 + installations for both 2 / 4 wheeler”
5 Axes CNC Tool & Cutter Grinding Machines:

Tool Manufacturing and Re-sharpening Solutions

Ecogrind Series

Ecogrind LX5+

Ecogrind RX5+

Ecogrind VX5

EZeeGrind Series

EZeeGrind **Prime**

EZeeGrind **Plus**

EZeeGrind **Pro**

EZeeGrind-**H**

EZeeGrind-**G**
Thank You...!!

For further details:
Log on to http://www.widma.com