



# REVENT

Group Presentation

## Who are we.....



Revent was born consequent to the acquisition of two former Amtek group Companies (Amtek Auto Limited and Castex Technologies Limited) by DVI, a US based investment fund.

13

**PLANTS**

3000+

**EMPLOYEES**



Fully equipped to provide solutions for Ferrous and Aluminium component manufacturing



Long standing partnerships with Indian & International customers



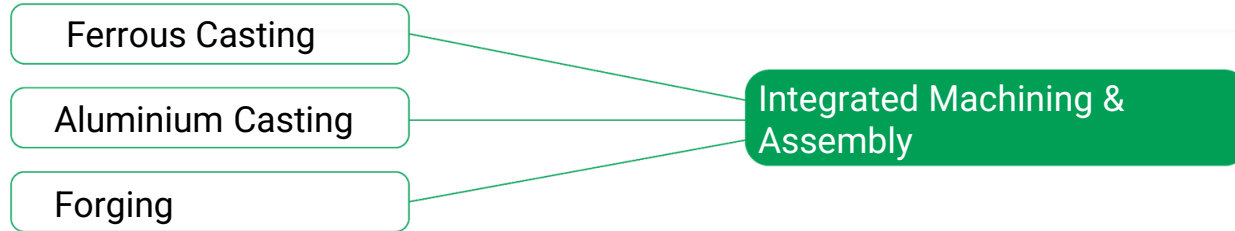
Professionally managed and Board governed company. Committed to highest standards of governance and ethical conduct



Strategically located facilities in close proximity to primary customer locations

# Who are we.....

## Multi technology Solutions



North

|                        |                |                       |
|------------------------|----------------|-----------------------|
| <b>Ferrous Casting</b> | <b>Forging</b> | <b>Machining</b>      |
| Bhiwadi                | Gurugram       | Gurugram<br>Dharuhera |

Central

|                |
|----------------|
| <b>Forging</b> |
| Bhopal         |

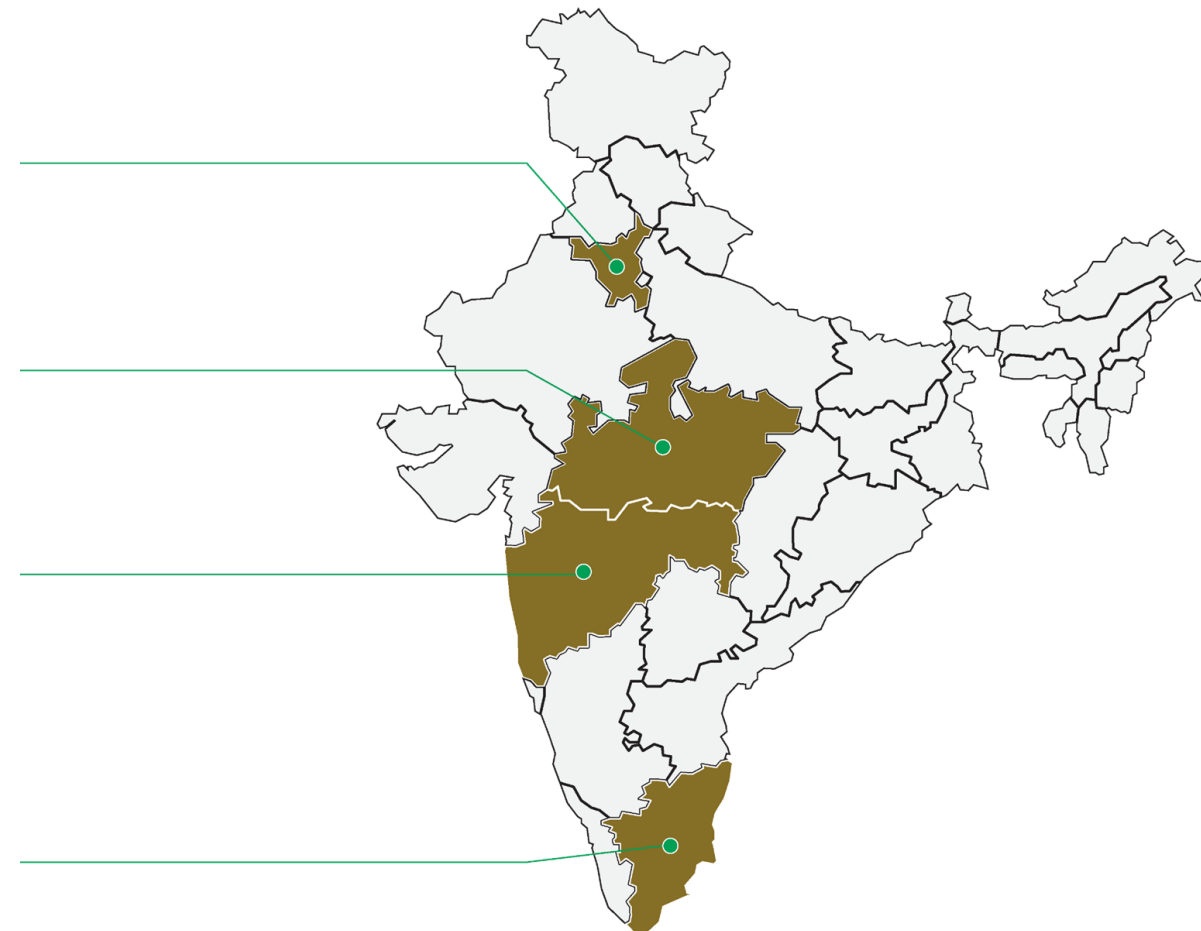
West

|                         |                  |
|-------------------------|------------------|
| <b>Aluminum Casting</b> | <b>Machining</b> |
| Pune                    | Pune             |

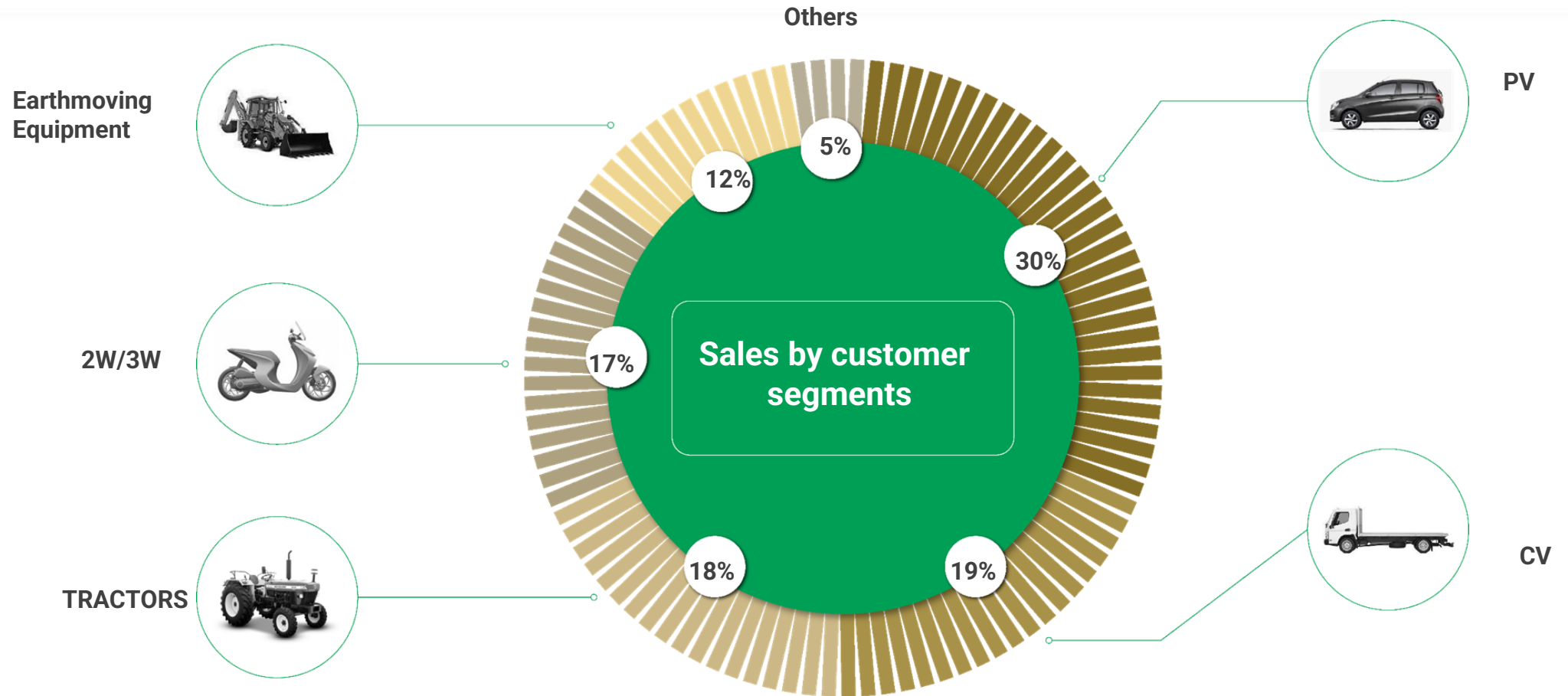
South

|                |                  |
|----------------|------------------|
| <b>Forging</b> | <b>Machining</b> |
| Hosur          | Hosur            |

## Geographical Presence



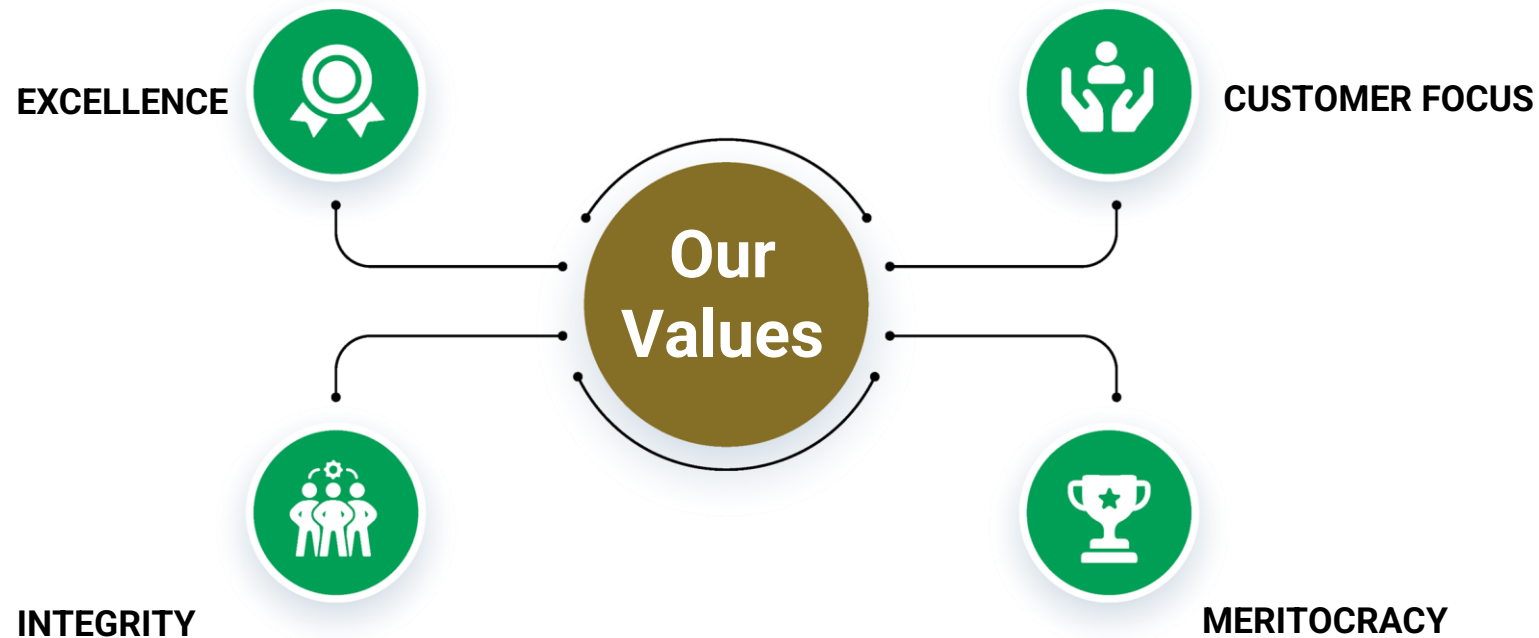
## Diversified customer base



**Diversified Customer base**  
with strong relationship with major OEMs

# Vision & Core Values

Transforming together with Customers, Suppliers & other Stakeholders by focusing on innovation in manufacturing technologies to become a globally benchmarked Precision Engineering Solution Provider.





## REVENT PRECISION ENGINEERING LIMITED



### FULLY EQUIPPED FOR OFFERING CUSTOMISED SOLUTIONS IN PRECISION ENGINEERING

- Aluminium die casting with integrated machining at Ranjangaon, Maharashtra.
- Forging plants with integrated machining at plants in Gurugram, Bhopal & Hosur. The facility includes forging presses upto 1350 tons.
- In addition to the integrated machining facilities at the Forging and Casting plants, Revent has established dedicated machining centres of excellence at Dharuhera, Haryana and Sanaswadi, Maharashtra, equipped with state-of-the-art machining centres, providing complete capability for precision machining of the full gamut of Cast and Forged products.
- Gears & Shafts : A dedicated gear plant at Sanaswadi, Maharashtra capable of machining a wide range of 'Shaved' and 'Ground' gears and shafts.

## REVENT METALCAST LIMITED



### FULLY EQUIPPED TO OFFER CUSTOMISED SOLUTIONS IN FERROUS CASTING

- SG Iron Casting facility capable of producing various parts upto 28Kgs.  
We have 2 DISA vertical lines with the largest box size of 650 x 535 x 150~390.
- Grey iron casting facility capable of producing parts upto 200 Kgs.  
We have 2 DISA vertical Lines, 1 HWS Horizontal Line & 1 GFD Horizontal Line, with the largest box size of 1200 x 1050 x 400.

|                 | FERROUS FOUNDRY UNIT-I                                                                                | FERROUS FOUNDRY UNIT-II                                      |
|-----------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Plant Setup     | 2002                                                                                                  | 2008                                                         |
| No. Of Lines    | 2                                                                                                     | 4                                                            |
| Make            | HWS & GFD                                                                                             | DISA                                                         |
| Box Sizes       | 1200x1050x400 / 400<br>900x700x300 / 300                                                              | 600x480x150 - 350<br>650x535x150 - 390                       |
| Metallurgy      | Grey Iron                                                                                             | Grey Iron, S. G. Iron & Silico Moly                          |
| Certification   | IATF 16949<br>ISO 14001 & ISO 45001                                                                   | IATF 16949 ISO 9001<br>ISO 14001 & ISO 45001                 |
| Weight Range    | 20 - 200 KGs                                                                                          | 0.6 - 40 KGs                                                 |
| Product Details | Cylinder block, Cylinder Head,<br>Axle support, Housing Clutch,<br>Diff. Housing, Flywheel and covers | Turbine Housing, Brake parts,<br>Engine & Transmission Parts |

# Aluminium Casting



| PARTICULARS         | HPDC                                                                                                                                              | GDC                                           | MACHINE SHOP                                                              | TOOL ROOM                                                      |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------|
| Range Of Products   | 0.05 Kg to 20 Kg                                                                                                                                  | 0.1 To 3.5 Kg                                 | -                                                                         | Die Manufacturing up to 2500T machine                          |
| Machine lypes       | 420 Tons to 2500 Tons<br>Locking Force<br>(IDRA, ZITAI & BUHLER)                                                                                  | GDC Tilting M/cs &<br>Shell type Core Shooter | CNC TC, VMC, HMC,<br>Robo drills, Leak testing,<br>Washing,Balancing M/cs | CNC High Speed Milling,<br>Wire cut , EDM,<br>Die Spotting etc |
| Number Of Machines  | HPDC - 12<br>Trimming Press- 5                                                                                                                    | GDC Tilter-3<br>Core Shooters-5               | CNC-6, HMC-2, VMC-16,<br>Robo Drills-10,<br>Washing M/c-3                 | 15                                                             |
| Built-up Area       | 4500 Sq.M                                                                                                                                         | 2500 Sq.M                                     | -                                                                         | 1250 Sq.M                                                      |
| Melting Furnace     | Capacity-2000 Kg/Hr.<br>Fuel - LPG 2 Nos                                                                                                          | Capacity-500 Kg/Hr.<br>Fuel - LPG             | -                                                                         | N/A                                                            |
| Inspection Facility | CMM- 2nos, X ray, Spectrometer, Hardness and Roughness tester, Microscope with camera,<br>Leak testing- 7 nos                                     |                                               |                                                                           |                                                                |
| CAD-CAM             | IDEAS C3P, PRO-E WF3, UG NX4, DELCAM power shape tool design, DELCAM power mill with electrode,<br>DELCAM power inspect, MAGMA & Pro Cast for MFA |                                               |                                                                           |                                                                |



|                              | FORGING UNIT-II<br>(GURUGRAM)                                                                                                                                                                                                                                                                                                        | FORGING UNIT-III<br>(BHOPAL) | FORGING UNIT-I<br>(HOSUR) |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------|
| Press Range                  | 600T - 1300T                                                                                                                                                                                                                                                                                                                         | 730T - 1350T                 | 600T - 1350T              |
| No. of Presses               | 14 Nos                                                                                                                                                                                                                                                                                                                               | 10 Nos                       | 05 Nos                    |
| Heat Treatment               | <ul style="list-style-type: none"> <li>• Continuous type LPG fixed Quench &amp; Temper Furnaces</li> <li>• Continuous type LPG fired Isothermal Annealing Furnaces</li> <li>• Continuous type Electricity Heated Mesh Belt Normalising Furnace</li> </ul>                                                                            |                              |                           |
| Quality Inspection & Testing | <ul style="list-style-type: none"> <li>• Spectrometer (German - Spectro)</li> <li>• Microscope (Japanese - Olympus)</li> <li>• Micro Vicker Hardness Tester (Mitutoyo)</li> <li>• Digital &amp; Optical Hardness Testers</li> <li>• UTM</li> <li>• Tensometer</li> <li>• Ultrasonic Tester</li> <li>• Eddy Current Sorter</li> </ul> |                              |                           |

# Precision Machining of Casting

| LINE-UPS                                | TYPE                | DESCRIPTION                                                                                                                                                                                                                                                                |
|-----------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product family specific machining lines | Flywheel Assembly   | End to end manufacturing lines comprising Vertical Turning Lathes, Induction heaters, Vertical Machining Centres, Automatic Balancing and Gauging machines.                                                                                                                |
|                                         | Brake Drum Assembly | Full fledged set-up with Robotic Paint shop to produce Brake drums of maximum diameter of 300mm, Length 100mm, Weight 10 Kgs.                                                                                                                                              |
| Flexible machining Lines                | CNC machines        | Machining plants with CNC, VMC, HMC (Makino & Mori Seiki) & Honing (Nagel) machines with capabilities to machine large casting parts like engine cylinder blocks and heads, housings, differential cases, flywheel housings, bed plate inserts and bed plate housings etc. |

# Precision Machining of Forgings

| LINE-UPS                                | TYPE                      | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product family specific machining lines | Split Connecting Rods     | <p>We can make conrods for passenger vehicles, LCVs, Commercial Vehicles, Tractors upto 5 Kgs</p> <ul style="list-style-type: none"> <li>• Weight Range , KG :- 0.100~3.00</li> <li>• Centre Distance, mm : 94 ~ 220</li> <li>• Crank End Bore Ø, mm: 30 ~ 64</li> <li>• Piston End Bore Ø, mm: 12.5 ~ 35</li> </ul>                                                                                                                                                                                                                                                                                                               |
|                                         | Fractured Connecting Rods | <p>Laser Scribing &amp; Fracture Technology By Alfing, Germany. Can produce Conrods upto 4.5 Kgs</p> <ul style="list-style-type: none"> <li>• Weight Range , KG :- 0.100~3.00</li> <li>• Centre Distance, mm : 94 ~ 220</li> <li>• Crank End Bore Ø, mm: 30 ~ 64</li> <li>• Piston End Bore Ø, mm: 12.5 ~ 35</li> </ul>                                                                                                                                                                                                                                                                                                            |
| Flexible machining Lines                | CNC machines              | <p>We have machining lines comprising CNCs, VMCs, VTLs, HMCs, Induction Hardening machines, Grinding &amp; Broaching machines with capabilities of producing various product families like Crankshafts, Balancer Shafts, End Yokes, Shifter Forks, Bridge fork bottom, Sector shafts, Pole Claw, Pole Piece etc</p>                                                                                                                                                                                                                                                                                                                |
| Gears & Shafts Machining                | CNC machines              | <p>A dedicated gear plant at Sanaswadi, Maharashtra capable of machining a wide range of 'Shaved' and 'Ground' gears and shafts. The facility is equipped with Hobbing &amp; Shaving machines, Sealed Quench furnaces, outer and inner diameter grinding and teeth Grinding equipment. It can produce Spur, Helical &amp; Worm gears &amp; shafts for various applications, including:</p> <ul style="list-style-type: none"> <li>• Din -7-8 Duly heat treated thru gear shaving route.</li> <li>• Din -5-6 Duly heat treated thru gear grinding route.</li> <li>• Gears with maximum diameter of 300 and Module max 6.</li> </ul> |

# Products

REVENT



Cylinder Block



Cylinder Head



Flywheels



Connecting rods



Turbo Charger



Crankshaft (M/c)



Cylinder Head Cover (Al)



2W Crankshafts (Al)

# Products

REVENT



Diff Case



Transmission Fork



2W Stem Assy



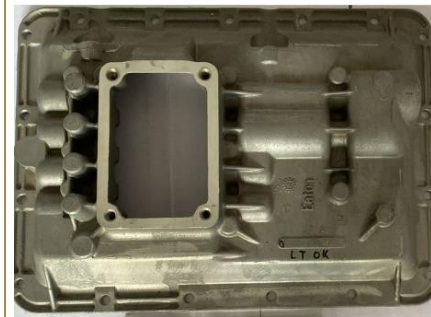
Trunnion Bracket



Front Axle Support



Worm Gear



Shift Bar Housing (Al)



Flywheel Housing (Al)

# Products

REVENT



Turbine Housing



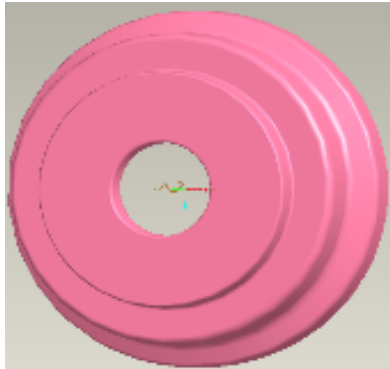
Brake Dampers



Brake Parts



Brake Parts



Brake Drum



Bearing Housing



Engine Support Bracket



Exhaust Manifold



# Leadership

REVENT



Mr. Prakash Khose  
Group CEO



Mr. Muneesh Chawla  
Group Financial Controller



Mr. Ramesh Maheshwari  
Independent Director



Mr. Bharat Parekh  
Independent Director



Mr. Anantakrishnan Krishna  
Independent Director



Neeta Revankar  
Independent Director



# THANK YOU

[www.reventengineering.com](http://www.reventengineering.com)

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