



We have **VISION** to become number one supplier of Rotary Union & Pole Wheels in India.

With **MISSION** 100% Customer satisfaction by focussing on building sustainable processes, complete techno commercial improvement, providing world class quality services and solutions.

With **VALUES** taking care of customers, environment & entire team in every step of improvement.

J.K. UDYOG is an ISO 9001 & ISO/TS 16949 Certified Company.

From the day one we are engaged in Precision & Super Precision Components & Assemblies.

We are working in two different sectors:

1. Auto Sector
2. Non-Auto Sector

For Auto Sector, we are manufacturer of Pole Wheel for ABS Brake System. Some customers call it as a Sensor Ring for Anti Lock Braking System. We manufacture these Pole Wheel / Sensor Rings for Heavy commercial vehicles, Medium commercial vehicles & Light commercial vehicles. Our EXISTENT customers are Tata Motors Ltd., Knorr Bremse...Ltd, York Transmission Systems Ltd., Mahindra & Mahindra Ltd. All are the Auto Giants in India. We also manufacture some precision components i.e. Camshaft Bearing Cap, DLC Coating Components, Precision Gear Box Components.

We are tuned to manufacture the components of H6 Tolerance with N5 Finishing.

For Non Auto Sector we are manufacturing Rotary Union for Spindle through coolant system VMC & HMC.

Till date we have Developed 77 different Applications of Rotary Unions / Rotary Joints.

Some of those are with following specifications:-

i.e. 1. High Pressure Coolant with Low RPM. (Pr Up to 105 & RPM 6000)

2. High RPM with Low Coolant Pressure. (RPM Up to 24000 & Pr: 70 Bar)

We also manufacture Rotary Distributors for Pallet changing application like 2 Pallet, 4 Pallet up to 16 Port Inlet and 16 Port Outlet.

And Rotary Hydraulics Fittings up to 300 Bar working pressure.

For All Above activities, we have very good experienced engineers with Precision State of the Art Machining Setup with inspection facilities.

We have design facility UGNX8.5 3D modelling.

Our Team is having more than 20 years experience with 3 Young & Dynamic, enthusiastic Partners.

Our Clients:



Office:

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Works:

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ISO 9001& ISO/TS 16949 Certified Company

## TONER RING FOR ABS BRAKE and other AUTO COMPONENTS

Precision Auto Components like Sensor Ring / Pole Wheel for ABS Brake System

- All types of Commercial Vehicles from 1 ton to 50 tons.
- Also various types of Passenger Vehicles.

## OUR REQUIREMENTS

## THE FOLLOWING DETAILS ARE REQUIRED FOR PRODUCT MANUFACTURING

- Spindle Connection
- Port Connection Straight / 90 Degree Inlet
- Max Working RPM & Pressure
- Working Media
- Pilot DIA at Spindle Threads
- Detailed Drawing or Sketch

## ABBREVIATIONS FOR OUR ROTARY UNIONS

P = PNEUMATIC  
G = LOW RPM  
C = HIGH RPM  
PC = PRESS FIT – HIGH RPM  
FG = FLANGED – LOW RPM  
R10 – 1" BSP  
R112 = 1.5" BSP  
14 B = 1/4" BSP  
14 N = 1/4" NPT  
01 = STRAIGHT PORT  
02 = 90 DEG PORT

## PART NO.

G 1618 LH - 38N02  
G 1618 LH - 38N01

G 1616 LH - 38N02  
G 1616 LH - 38N01

C 1618 LH - 38N02  
C 1618 LH - 38N01

C 1616 LH - 38N02  
C 1616 LH - 38N01

PC 10212 - 38 N 02  
PC 108816 - 48- 14 N 02

G10 B RH / LH - 34 B 02

G112 B RH / LH - 10 B 02

C/G 58 UNF 16 RH - 38 N 02  
C/G 58 UNF 16 RH - 14 N 01

CCM -046 -2075 -34 B 22 DUO FLOW  
CCM -058 -2100 -34 B 22 DUO FLOW  
CCM -D 71 -DUO -34 B 22

## GUNDRILL TYPE ROTARY UNION

Working for Deep Drilling / Gun Drilling m/c. for spindle through coolant application, max working RPM – 8000, max working Pr – 105 bar, for coolant use only, not to be used for dry application.

## HIGH RPM ROTARY UNION FOR CNC M/C.

Specially designed for High RPM application for all types of CNC machining centers, max. working RPM – 12000/16000 max working Pr-70 bar.

## FLANGED UNION

Special design for application oriented, max RPM – 4000, max PR-70 bar. Type 'FG' High Flow Rotary Union and fully flexible end connections for critical applications in machine tools and process industries.

## MULTI FLOW ROTARY JOINT

A unique design for flame cutting i.e. CNC profile cutting machine using O2 & acetylene Or – O2 & L.P.G.

## CCM ROTARY UNION TYPE- STEEL MILLS

Typically designed for steel mill for CCM straightner cooler. Special features, triple sealing design with ball- bearing support replies to a long life cycle working in any type of water applied.

## ROTARY HYDRAULIC FITTING

Hydraulic Fitting with rotating facility to eliminate hose twisting problems for ATC, swelling cylinder, Rotary Clamps. Working Pr. Upto – 300kg/cm2 max.

## ROTARY DISTRIBUTOR

The Rotary Distributor is a device to distribute hydraulic lines or other working media to a rotary axle or rotating parts without intermixing or leakages upto 400 bar working pressure. It is used in rotary actuator, pallet changer and many other applications. 16 port inlets & 16 outlets at working pressure 250 bar. These are manufactured as per the customers specific requirement.

