

# Birla Precision Technologies Ltd. Corporate Overview Presentation



# At a Glance

- Since 1937
- 1000+ employees
- 250+ administrative staff
- 80 % of above Engineers
- 100% technical marketing team
- 800+ associates & permanent linemen
  
- 38 Mn USD Company. 5 divisions
  
- Presence in 30+ countries
  
- Successful JVs with Yamaha, 3M, Perrucchini, Kennametal
  
- Part of Birla Group: Public listed, presence in Engineering, Chemicals, Steel Pipe, Power Solutions, IT, Education, Healthcare
  
- Entire Birla Group combined turnover US \$ 60 Bn
  
- Subsidiaries, Warehouses and teams in US (BPTL USA) and Europe (BPTL GmbH)



# Illustrated History

Men that created legends, always inspire other men to create their own legends

Pioneered by Raja Baldeo Das Birla in 1861, the Birla empire evolved from being a locally subsistent company to a global conglomerate, putting India on the map across different sectors

Pursuing the epitome of the same value system, the Birla legacy passed on seamlessly to the next generation. The four Birla brothers researched various industries and created brands under the Birla belt, transforming the family name from a small company to a household name

Standing with a heritage spread across seven generations, the Birlas played a pivotal role during the Freedom Movement - walking shoulder to shoulder with India's proud sons, our Freedom Fighters. They worked together for one single mission - To win over India's struggle for Freedom

Through their Corporate Social Responsibility programs, the Birla family have mobilised funds to set up more than 200 Non - for - profit Schools, Hospitals, Rest houses, Temples, Museums and Scientific Research institutes. They continue to participate in various Nation Building activities.



# Group JV's



- **Birla 3M, with 3M (USA)** A global technology company delivering innovative solutions to life's everyday needs, manufacturing Glue, telecom tower equipment



- **Birla Perucchini, with Perucchini (Italy)** World leader and Pioneer in Shell molded casting for various industries including Turbo charger industry, Hydraulic industry



- **Birla Kennametal, with Kennametal (USA)** global leader in the design and manufacture of engineered components, advanced materials and cutting tools



- **Dagger Forst, with Forst (Germany)** leading manufacturer of broaching machines, broaching tools and broach sharpening machines



# Group JV's



- **Birla Yamaha, with Yamaha (Japan)** a world leader in the field of Portable Gensets, Diesel Engines



- **Birla DeLonghi, with DeLonghi (Italy)** a manufacturer of domestic appliances & electricals and known worldwide for its design of products



- **South Pacific Viscose, with Lenzing (Austria),** World leader supplying Global textile market with specialty cellulosic fibers and Viscose Staple Fiber

# Milestones

**1937**  
DAGGER BRAND  
  
SINCE 1937  
ITM started in Mumbai

**1970**  
  
ITM Factory started in Nasik

**1986**  
  
ITM Factory started in Aurangabad

**1986**  
  
Birla Kennametal JV started in Aurangabad (Tool Holder Division) in technical collaboration with KM USA

**1998**  
  
Birla Perucchini (Foundry division) Factory started in Aurangabad in technical collaboration with Fonderia Perucchini SPA of Italy

**2001**  
  
ISO 9001 Certification

**2007**  
  
Renamed as BPTL after Stake acquired from Kennametal

**2008**  
  
Started Precision Component & Casting Machining divisions

**2017**  
  
PANTHER  
Quicker • Sharper • More Powerful  
Launched Panther Series Cutting Tools & Tool Holders

**2018**  
  
TORPEDO  
HIGH PERFORMANCE  
  
NINJA  
  
HATHYAR  
Launched *Torpedo* Series HSS Tools, Ninja series Tools, Hathyar Tool Bits

**2021**  
  
MR TOOL  
Acquired MR Tools, UK and entered into Carbide Tools

**2022**  
  
BPT BIRLA PRECISION  
Started Subsidiary "BPT GmbH" in Kornwestheim, Germany & BPTL USA

**2022**  
  
BPT BIRLA PRECISION Technologies Limited.  
Plot No. F-211-32, E-3, E-41  
MDC, Chalisgaon, 42101  
Started New Project of ITM Chalisgaon Factory

# Vision & Mission

To be a world class organization and a Global supplier of a wide range of precision CNC tooling's and high precision machined components with unwavering focus on our customers and industry at large



**BPT**  
BIRLA  
PRECISION

#FactsAboutBPT

## Mission and Core Values

**Vedant Birla**  
Chairman and Managing Director,  
Birla Precision Technologies Ltd.

**MISSION**

- ☐ To be a growing, reputed & profitable business entity
- ☐ Satisfying customer needs with Superior products and services
- ☐ Through continuously improving processes & thereby attaining cost leadership

**CORE VALUES**

- ☐ Service to Customers
- ☐ Work with passion, commitment, integrity, enthusiasm & confidence with a team spirit
- ☐ Fanatical attention to quality in all aspects
- ☐ Continuous improvement, never being satisfied.

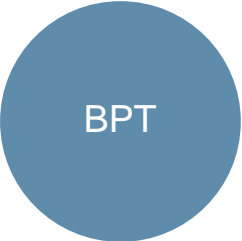



[birlaprecision](https://www.birlaprecision.com)

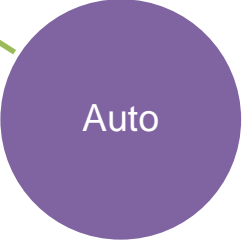
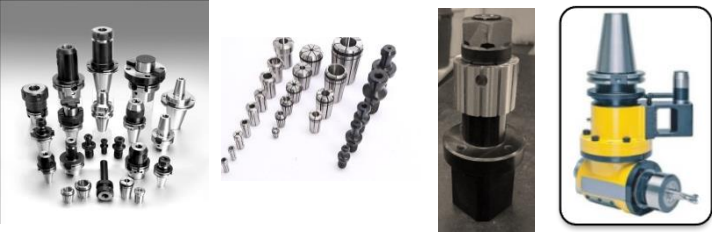
# Divisions



- Cutting Tools



- Tool Holders
- Collets
- Work holdings
- Production boosters



- Castings
- Casting machining
- Precision component Machining



**BPTL aim to total customer delight & Service Excellence**



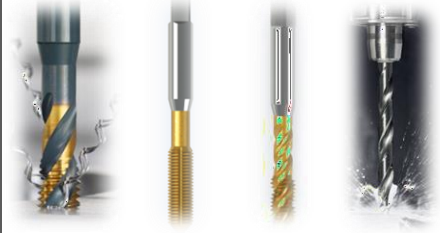
# Product Profile

## The Most Comprehensive Tooling & Solution Range

### Tool Holders



### Special Toolings



### Casting & Machining



### HSS - Drills



### HSS - Taps



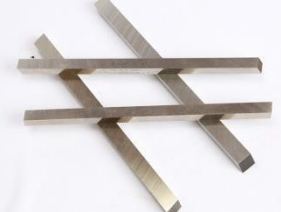
### HSS - Reamers



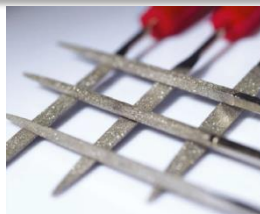
### HSS - Cutters



### HSS - Tool Bits



### Files



### Work Holding



### Production Boosters



# Products – Birla Durotool (New Division)

## The Most Comprehensive Do it Yourself Range

**Hammer Drill**



**Masonry Drill**



**Annular Cutter**



**H-Series Drill**



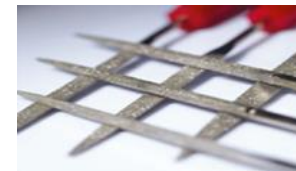
**Drill Set**



**HSS- Tool Bits**



**Files**



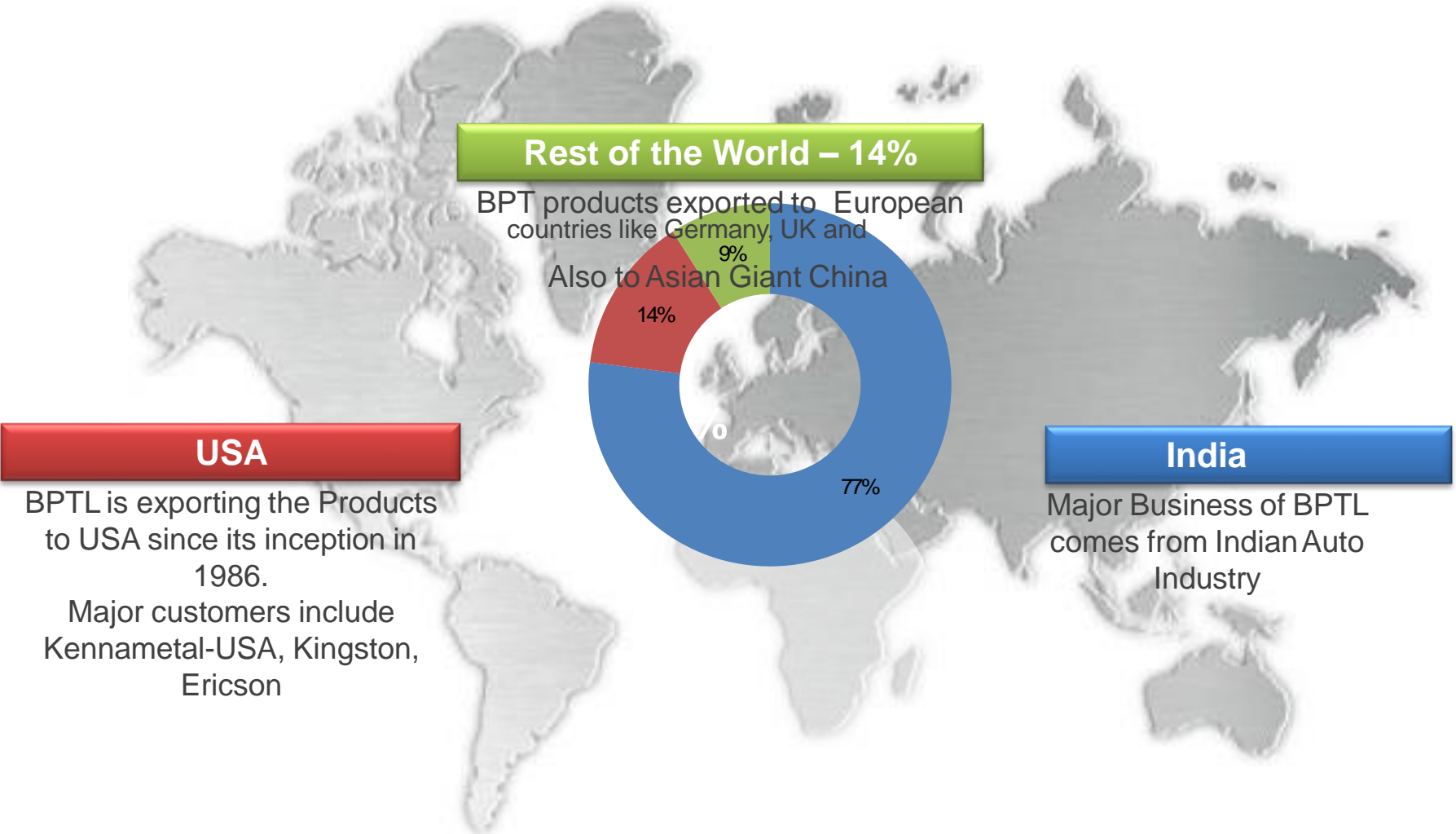
**ABRASIVE**



**TCT Circular Saw - Wood**



# Sales by Geography



**Rest of the World – 14%**

BPT products exported to European countries like Germany, UK and

Also to Asian Giant China

**USA**

BPTL is exporting the Products to USA since its inception in 1986.

Major customers include Kennametal-USA, Kingston, Ericson

**India**

Major Business of BPTL comes from Indian Auto Industry

# BPT – Tool Holders



# BPT – Tool Holder Division

- Birla Precision Technologies (erstwhile Birla Kennametal Ltd) was established in the year 1986
- Started as a Joint Venture with Kennametal Inc, USA
- Supplying to worldwide OEM's
- Manufactures of wide range of Tool holders with precision AT3 Class Steep Taper as well as HSK tooling, advanced products like hydro grip and shrink fit CNC tooling's
- Plant, designed by Kennametal, is with Most modern and well equipped manufacturing facility



**Tool Holder Division, Waluj,  
Aurangabad**

# Product Range – Machining Center Tool Holders



## Tool Holder Back End

- BT, DV, CV, DT, QC, with 30, 40, 50 Taper
- HSK 50,63,100 Short taper
- R8, Straight & VDI Shank

## Tool Holder Front End

- Collet Chucks – ER, TG & DA
- End Mill Adaptors
- Whistle Notch Adaptors
- Shell Mill & Combi-Shell Mill
- Morse Taper
- Drill Chucks
- Hydraulic Chucks
- Shrink Fit Adaptors

## Tool Holder Accessories

- Collets- ER, TG & DA
- Pull Studs
- Locknuts
- Wrenches

# Product Range – Tapping Systems



Tap size range from M1 ~ M36

Quick Change type Adaptors

## Tap Chuck

- Solid / Rigid
  - BT / DV / HSK Shank
- Tension & Compression
  - BT / DV / HSK Shank
  - Straight Shank
  - Morse taper Shank
- Tap collet chuck
  - BT / DV / HSK Shank

## Quick Change Adaptor

- Without Overload clutch
- With Overload clutch

## Tap Collets

- ER / TG / DA collet

## Expanding Mandrels & Sleeves ( Patented Design ! )

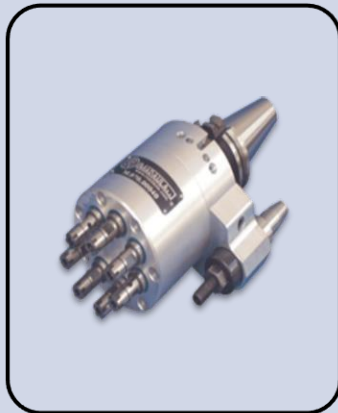


## Diaphragm Chuck





# Product Range – Production Boosters



Rotary  
Coolant  
Adaptor

Right Angle  
Head

Multi Spindle  
Head

Speeder  
Unit  
( Speed  
Increaser)

# Manufacturing Process



Soft Stage operations

Heat Treatment

Post heat Treatment

Finish Grinding

Balancing

Laser Marking



**We follow In-house World class process to make sure we deliver the best**

# Inspection Process

**Every Taper is 100 % Inspected**



- Surface finish < 0.4 micron
- Dim. Accuracy up to 0.0023 micron.
- Angular Tolerances – 6”
- Circularity < 1.0 micron.
- Bore size control in H5.
- Straightness < 1.0 micron.
- TIR within 5 microns.

**All tool holders ground to taper angle accuracy as per AT3 class.**

# Inspection Facility

**CMM**

**Height Gauging**

**Circular Geometry**

**Optical Comparator**



**World class inspection facility to deliver 100% Right Products to CUSTOMER**



# CPC Advantages – Why BPTL ..?

*Lowest CPC offered by BPTL*

*Eliminates 100%  
Inspection*

*Avoids Machine Idle  
Time*

*Tool Change  
Frequency Reduced*

*Tool Life Increased*

*Parts Per Tool & Tool  
Holder Increased*

*Tool Breakage Is  
Eliminated*

*Part Rejection Is  
Reduced*

*Machine utilization  
is increased*

# BPTL Product Advantages – Why BPTL ..?

**Quicker Delivery** : 4~6 weeks after Order for non Stock Items

**On time Service** : 11 Branch Offices & 350+ dealers Across India

Longer Life resulting in **Lower CPC**

Exporting Globally to over 30 **countries** , for customers like Kennametal , Walter, Guhring, Hoffman etc.,

**AT2 /AT3 Class Tool Holders**

**Highly Balanced Tool holders** as per IS Standards

**Closest Run-out Tolerance Tool Holders**

High Parameters Capability

**100% Inspection**

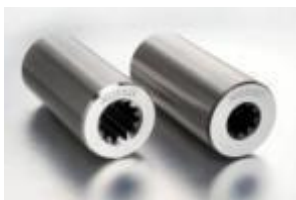
World Class Manufacturing Standards & Process – Established by Joint venture through **BIRLA KENNAMETAL**



**World Class  
Tool Holders at  
Economical  
Price**

# BPT – Precision Machining

## Transmission & Fuel System Parts





# Manufacturing Facility – Precision Machining



Citizen Sliding Head Machine



Studer Cylindrical Grinding



Micron Centerless Grinding





- CNC Bar Feeders.
- Vertical Machining Centre.
- Cylindrical OD Grinding.
- Centerless Grinding.





- ITM plant **Established in the year 1937**
- Plants located in Aurangabad, Nashik & Chalisgaon
- Largest market share in India
- Tools made from the finest High Speed Steel and conforming to stringent international standards
- Tools sold throughout India through an extensive **Distribution Network**
- Recently did acquisition of MRT (UK), entering into Carbide tools.





*Drills*



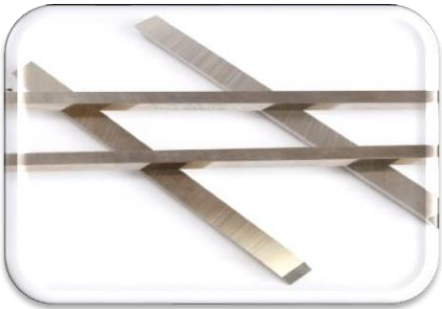
*Taps*



*Reamers*



*Cutters*



*Tool Bits*

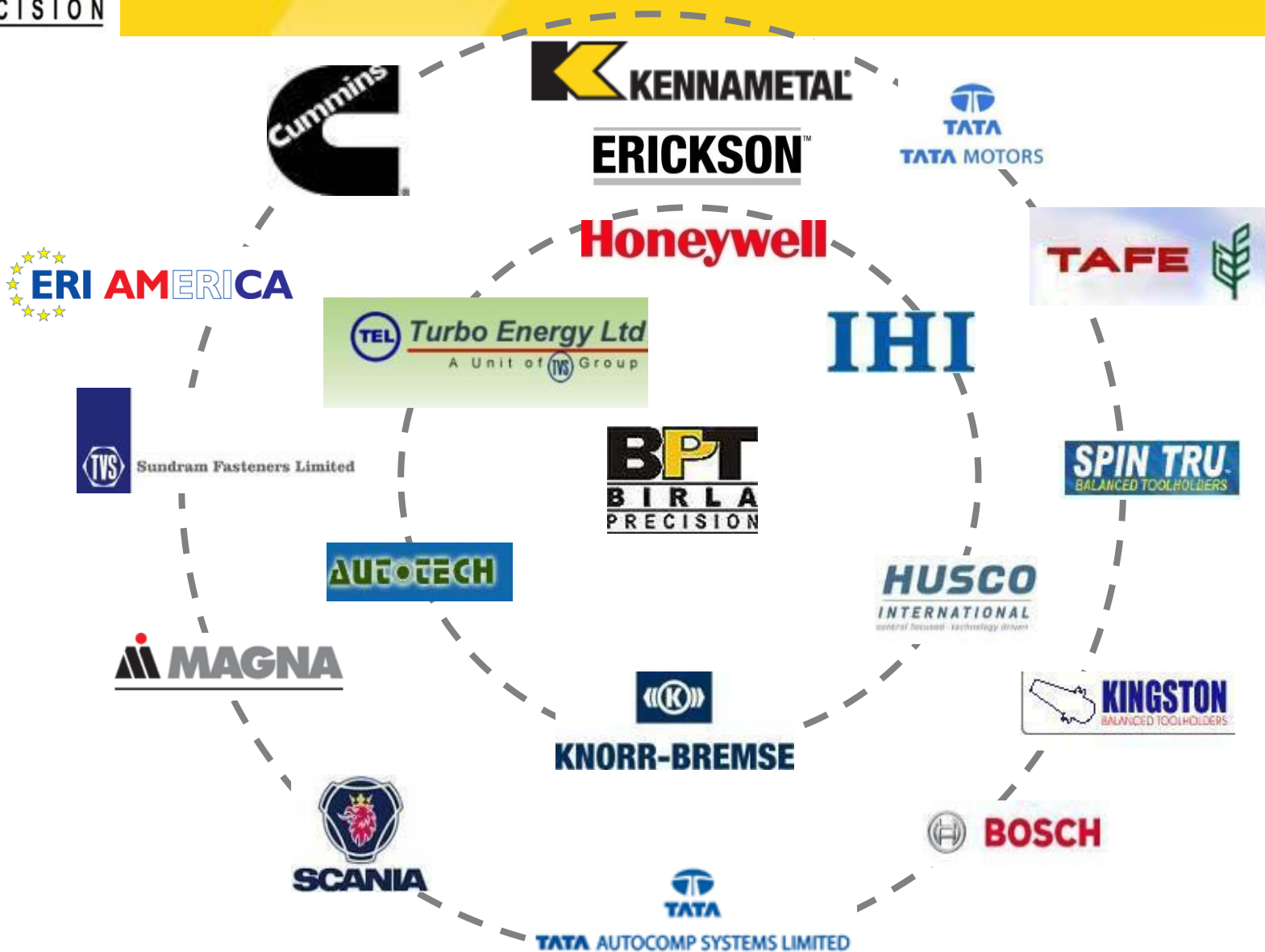


*Grooving Tools*



*Files*

# Major Key Customers –Tools & Tool Holders





# BPT – Castings



- Established in **1998**
- Plant located in Aurangabad
- Started as Birla Perucchini Ltd in **technical collaboration with Fonderia Perucchini SPA** of Italy
- Fonderia Perucchini SPA manufactures shell molded ferrous castings, straddling the entire spectrum of nodular, vermicular and Grey Cast Iron.



Hydraulics



Exhaust Pipe



Turbine Housing



Crank Shaft



Fork Shifter



Rocker Arm Levers



Turbine Bearing Hsg



Turbine Bearing Hsg



Planetary Cage



Brake Wheel Cylinder



Engine Mtg Brackets

# BPT – Casting Machining

BPT Foundry division offers Casting Machining solution also to the end customer



**Body – Exhaust Brake**



**Bearing Housing**



**Outlet Valve**



**Diffuser Plate**



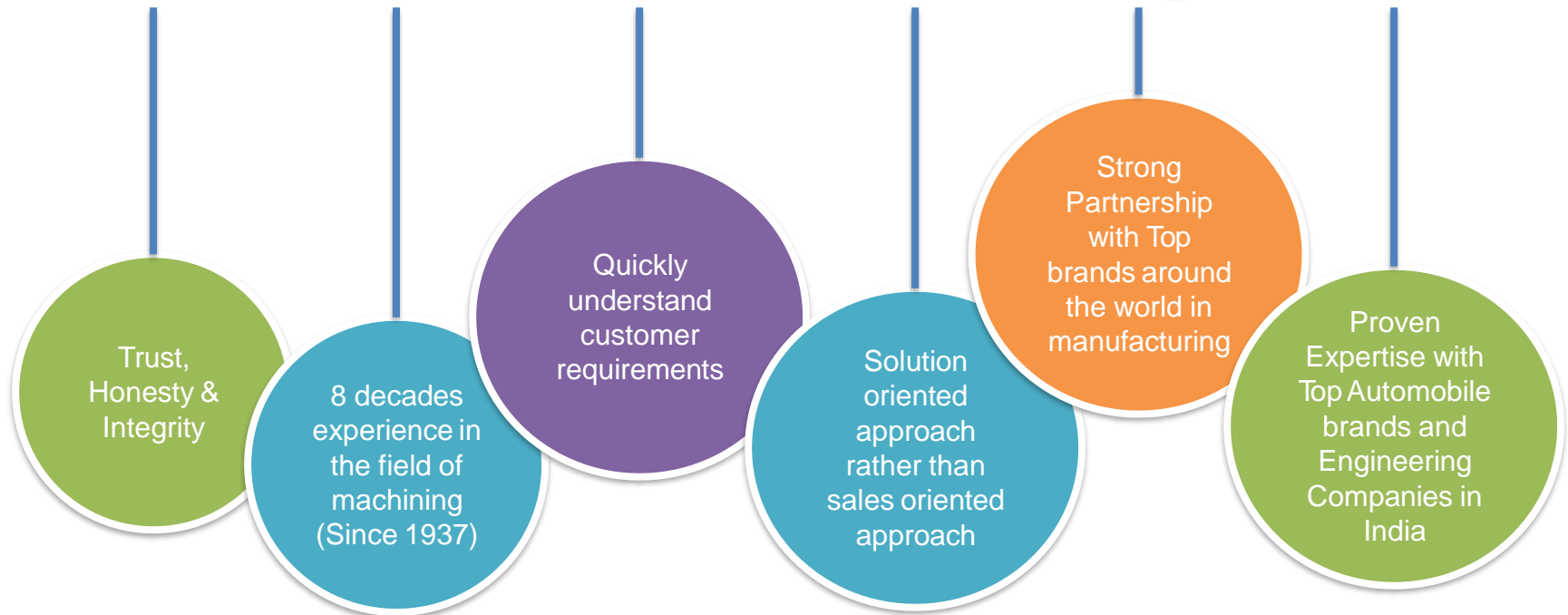
**Center Housing**



**Inlet Housing**



## Birla Precision Technologies Ltd





## Promoting Education



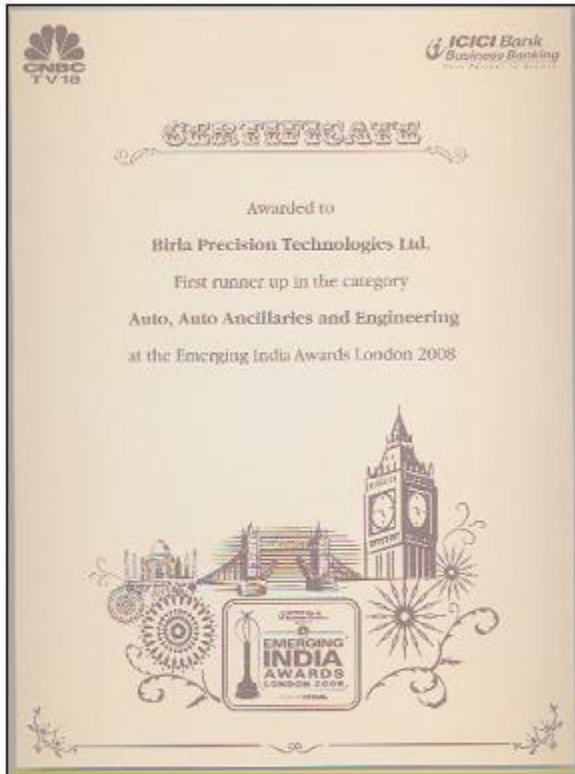
**SHRI JAGATBHARTI**  
Education & Charitable Trust

# Awards & Recognition





# Awards & Recognition



**Second out of more than 300,000 Indian aspirants in the SME sector - Emerging India Awards London 2008**



**Highest rating in the ranking of India's Top 500 manufacturing Small and Mid Sized company rating - Industry 2.0**

## ISO 9001 :2015



**CERTIFICATE**

Management system as per  
**ISO 9001 : 2015**

In accordance with TÜV NORD CERT procedures, it is hereby certified that

**INDIAN TOOL MANUFACTURERS  
(DIVISION OF BIRLA PRECISION TECHNOLOGIES LTD.)**  
Plant I : 61/62/63, MIDC Satpur, Nashik – 422 007  
Plant II : B-15/3, MIDC Waluj, Aurangabad – 431 133,  
Maharashtra,  
India



applies a management system in line with the above standard for the following scope

**Plant I : Design, Manufacture and Sales of Drills, Cutters, Reamers,  
Taps and Masonry Drills.**  
**Plant II : Manufacture and Sales of Drills, Taps and Tool Bits.**

Certificate Registration No. 44 100 020841	Valid until 30.05.2020
Audit Report No. 2.5-0430/2002	Valid from 04.06.2017
	Initial certification 17.05.2002

*S.K. Kulkarni*

Certification Body at TÜV NORD CERT GmbH	Issue 04.06.2017 Place : Mumbai
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This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits

TÜV NORD CERT GmbH    Langemarkstraße 20    45141 Essen    [www.tuv-nord-cert.com](http://www.tuv-nord-cert.com)  
TÜV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India    [www.tuv-nord.com/in](http://www.tuv-nord.com/in)




## ISO 9001 :2015 ISO 14001:2015



**BIRLA PRECISION TECHNOLOGIES LIMITED**



B-15/4, MIDC, WALUJ, AURANGABAD – 431 133, MAHARASHTRA, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System standards detailed below.

Standards

**ISO 9001:2015 & ISO 14001:2015**

Scope of certification

- MANUFACTURING AND DISPATCH OF CNC TOOL HOLDERS, COLLETS AND WORK HOLDING DEVICES
- MANUFACTURING AND DISPATCH OF AUTOMOTIVE METAL COMPONENTS FOR ENGINE, FUEL INJECTION SYSTEM, TRANSMISSION AND BRAKING SYSTEM

Original cycle start date for QMS:	11 August 1986
Original cycle start date for EMS:	22 October 2002
Expiry date of previous cycle for QMS:	23 February 2017
Expiry date of previous cycle for EMS:	21 October 2017
Recertification Audit date:	26 January 2017
Recertification cycle start date:	23 February 2017

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 23 February 2020

Certificate No. IND17.6674/UG/IE    Version: 1    Revision date: 23 February 2017

*UK Kulkarni*



Signed on behalf of BVCH SAS UK Branch  
Ramesh KOREGAVE  
Director, CERTIFICATION  
South Asia Region

Certification body address: 8th Floor, 65 Fleet Street, London, E1 3JG, United Kingdom.  
Local office: "Manish Centre" 6th Floor, Fokharshi Manish Marg, Opp. Ansa Industrial Estate, Off Eau Upar Road, Andheri (East), Mumbai - 400 072, India

Further certifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.  
To check this certificate validity please call +91 22 6866 0200.



# Manufacturing Plants



## Plant -1, 2 & 3

B-15/3 & 4,  
MIDC Waluj,  
Aurangabad - 431 133  
Maharashtra, India

**Tel.:** +91-240-2554300, 2554301, 2554945

**Fax:** +91-240-2554302

**Web:** [www.birlaprecision.com](http://www.birlaprecision.com)

**Email:** [info@birlaprecision.com](mailto:info@birlaprecision.com)

## Plant - 4

B-62/63,  
MIDC Satpur,  
Nashik - 422 007  
Maharashtra, India

**Tel.:** +91- 2532350320/21

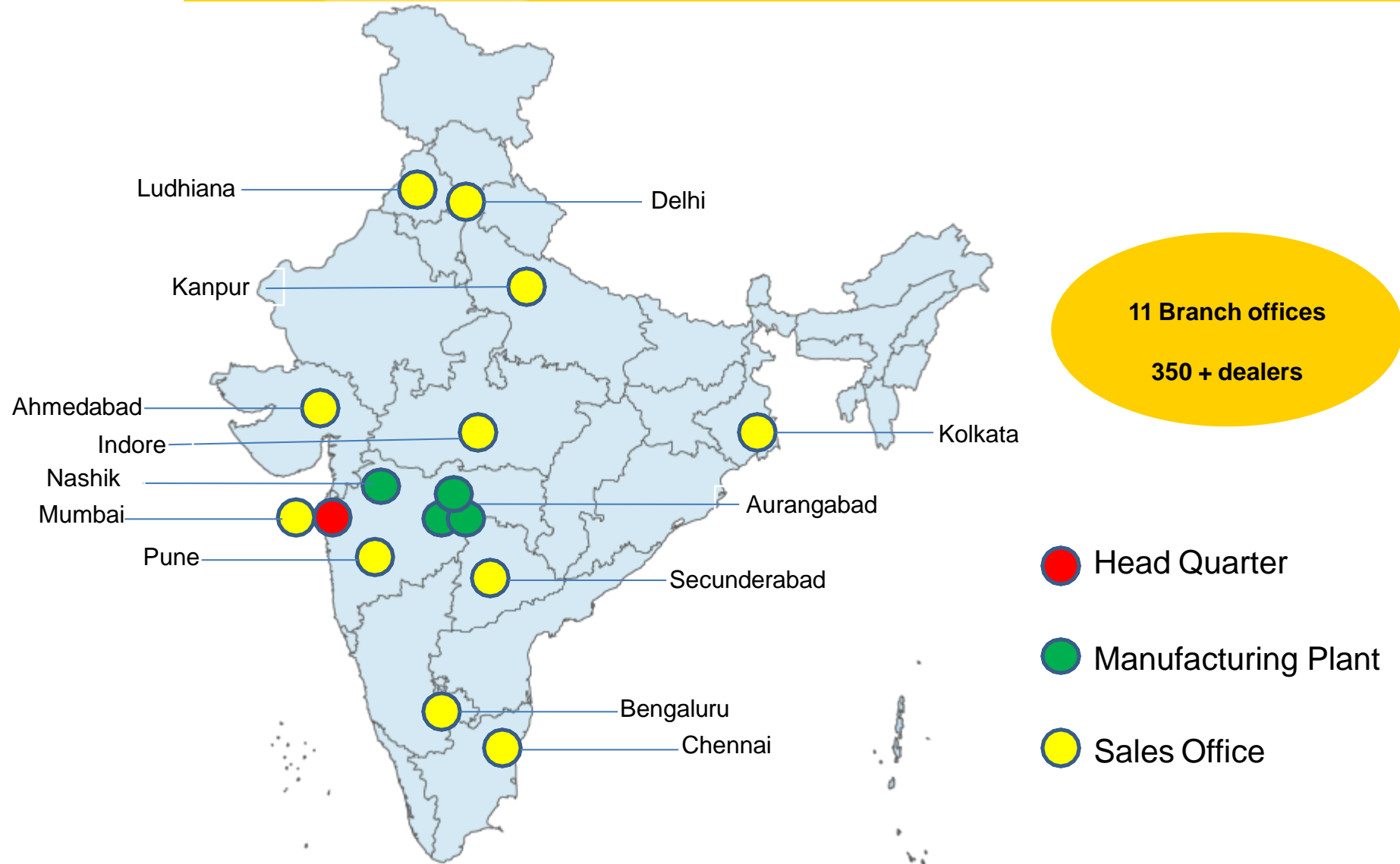
**Web:** [www.birlaprecision.com](http://www.birlaprecision.com)

**Email:** [info@birlaprecision.com](mailto:info@birlaprecision.com)

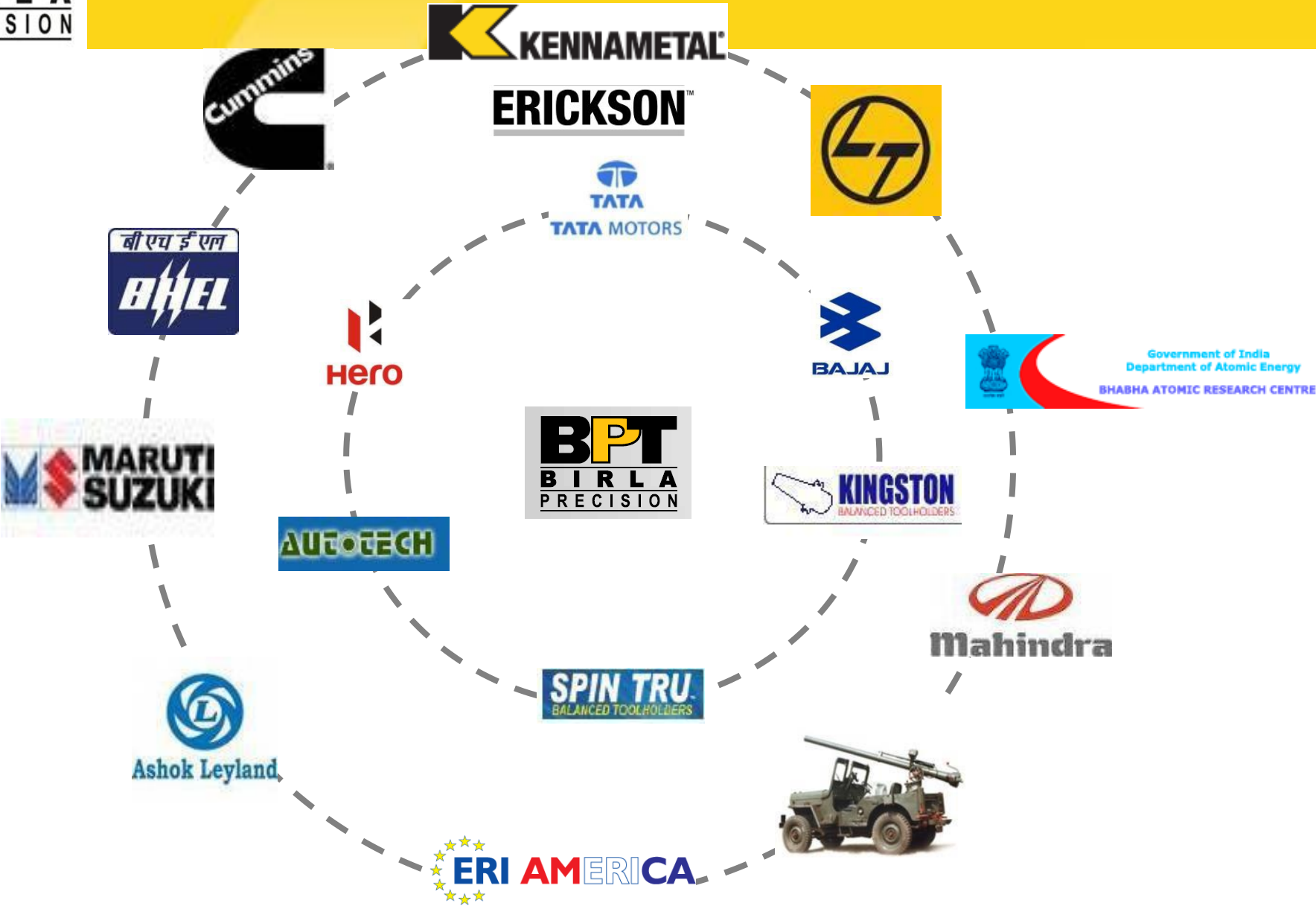
## Plant - 5

**“ Coming Up “ Shortly**  
Plot No. E-2/1,E-2/2,E-3,E-4/1  
MIDC,  
Chalisgaon - 424101  
Maharashtra, India

# Being Close To Customers



# Major Key Customers –Tools & Tool Holders





*Thank you !!*