DELIVERING PRECISION QUALITY

HARSHA ENGINEERS

Distinguished Industrial Presence of over 50 years

Export to 29 Nations across 5 Continents

Ingrained Expertise in Precision Bearing Cages, Automotive Components, Brass Castings & Bronze Plain Bearing Bushings

Adding Value to Customer Supply Chain



IATF 16949 • ISO 9001 • ISO 14001

www.harshaengineers.com



ABOUT **HARSHA**

Harsha Engineers is positioned as a core engineering company which consistently focuses on continuous improvement with reputation for producing complex high-precision bearing cages and components with best efficient technology. Ever since its inception in 1972, sustained customer engagement philosophy has guided Harsha to create solutions that exceed the industry's ever-changing demands. To meet customers requirements and increase global footprint Harsha has acquired state of art manufacturing plants in China and Romania.

To become a benchmark for manufacturing excellence Harsha has deployed manufacturing flexibility and cost competitiveness as its acclaimed strengths, which is supported by well renowned practices of Total Productivity Maintenance (TPM). Harsha has been awarded the prestigious **"TPM Consistency Award - Category A"** by Japan Institute of Plant Maintenance (JIPM), rated as the benchmark in TPM excellence in India.



ROMANIA PLANT



CHINA PLANT

BRASS CAGES



ROLLER
BEARING CAGES

CYLINDRICAL ROLLER CAGES

Size: upto 2200 mm Dia.



ROLLER
BEARING CAGES

WINDOW CYLINDRICAL ROLLER CAGES

Size: upto 2200 mm Dia.



ROLLER
BEARING CAGES

SPHERICAL ROLLER CAGES

Size: upto 2200 mm Dia.



BALL
BEARING CAGES

DEEP GROOVE CAGES

Size: upto 2200 mm Dia.



BALL
BEARING CAGES

ANGULAR CONTACT CAGES

Size: upto 2200 mm Dia.



BALL
BEARING CAGES

SPLIT DEEP GROOVE CAGES

Size: upto 2200 mm Dia.

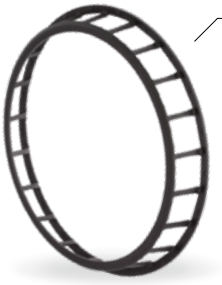
STEEL CAGES



ROLLER
BEARING CAGES

TAPER ROLLER CAGES

Size: upto 1000 mm Dia.



ROLLER
BEARING CAGES

SPHERICAL ROLLER CAGES

Size: upto 1000 mm Dia.



ROLLER
BEARING CAGES

CYLINDRICAL ROLLER CAGES

Size: upto 1000 mm Dia.



BALL
BEARING CAGES

DEEP GROOVE CAGES

Size: upto 300 mm Dia.



BALL
BEARING CAGES

ANGULAR CONTACT CAGES

Size: upto 1000 mm Dia.

POLYAMIDE CAGES



BALL
BEARING CAGES

DEEP GROOVE CAGES

Size: upto 300 mm Dia.



BALL
BEARING CAGES

ANGULAR CONTACT CAGES

Size: upto 300 mm Dia.



ROLLER
BEARING CAGES

CYLINDRICAL ROLLER CAGES

Size: upto 300 mm Dia.



ROLLER
BEARING CAGES

TAPER ROLLER CAGES

Size: upto 300 mm Dia.

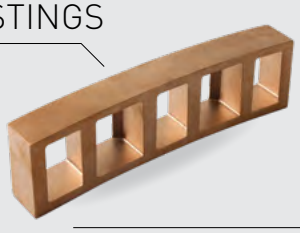
BRASS CASTINGS

CENTRIFUGAL CASTINGS



Size: upto 2200 mm Dia.

SAND CASTINGS



Size: upto 900 mm Length.

BRONZE BUSHINGS



Size: upto 650 mm Height.

STAMP COMPONENTS & ASSEMBLIES



TOOL ROOM



A state-of-art Tool Room has been established in all the plants to meet in-house requirements of tools for our various facilities.

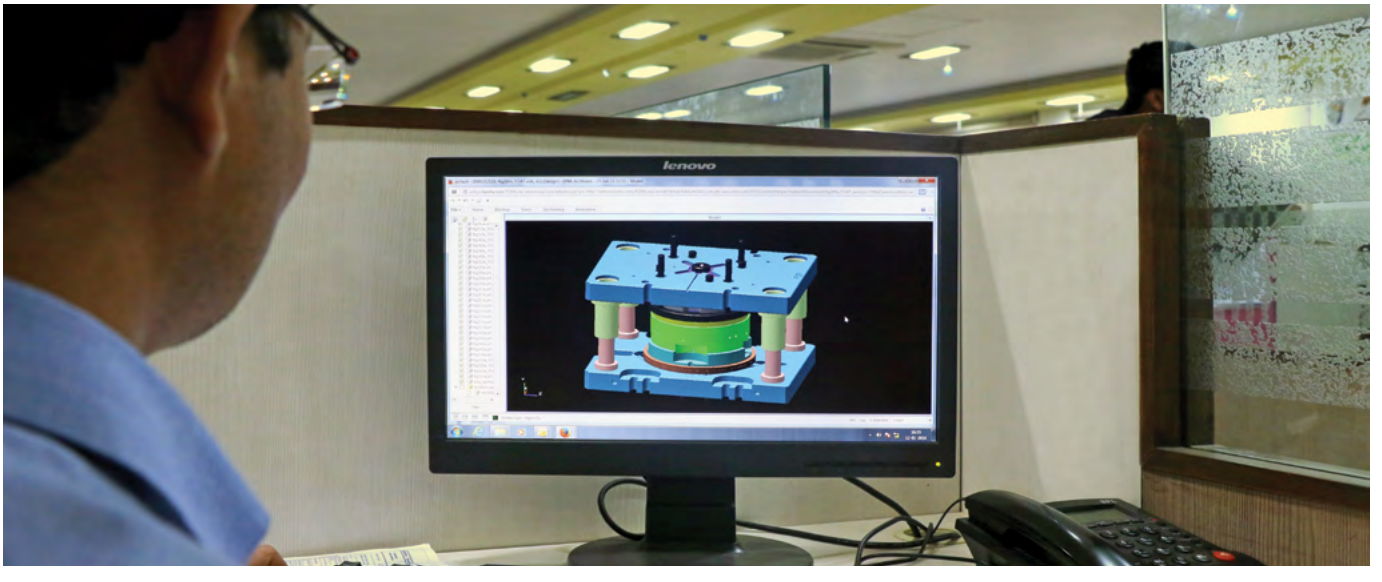
Hard Milling & Turning Machines including Five Axis Hard Turning Machine

CNC Wire-cut and EDM Machines with Rotary Electrodes

CNC Machining Centers including Five Axis Machining Center

Various high accuracy measuring instruments including CMMs

ENGINEERING & TOOL DESIGN



FACILITIES AVAILABLE FOR TOOL AND EQUIPMENT DESIGN:

CAD/CAM/CAE

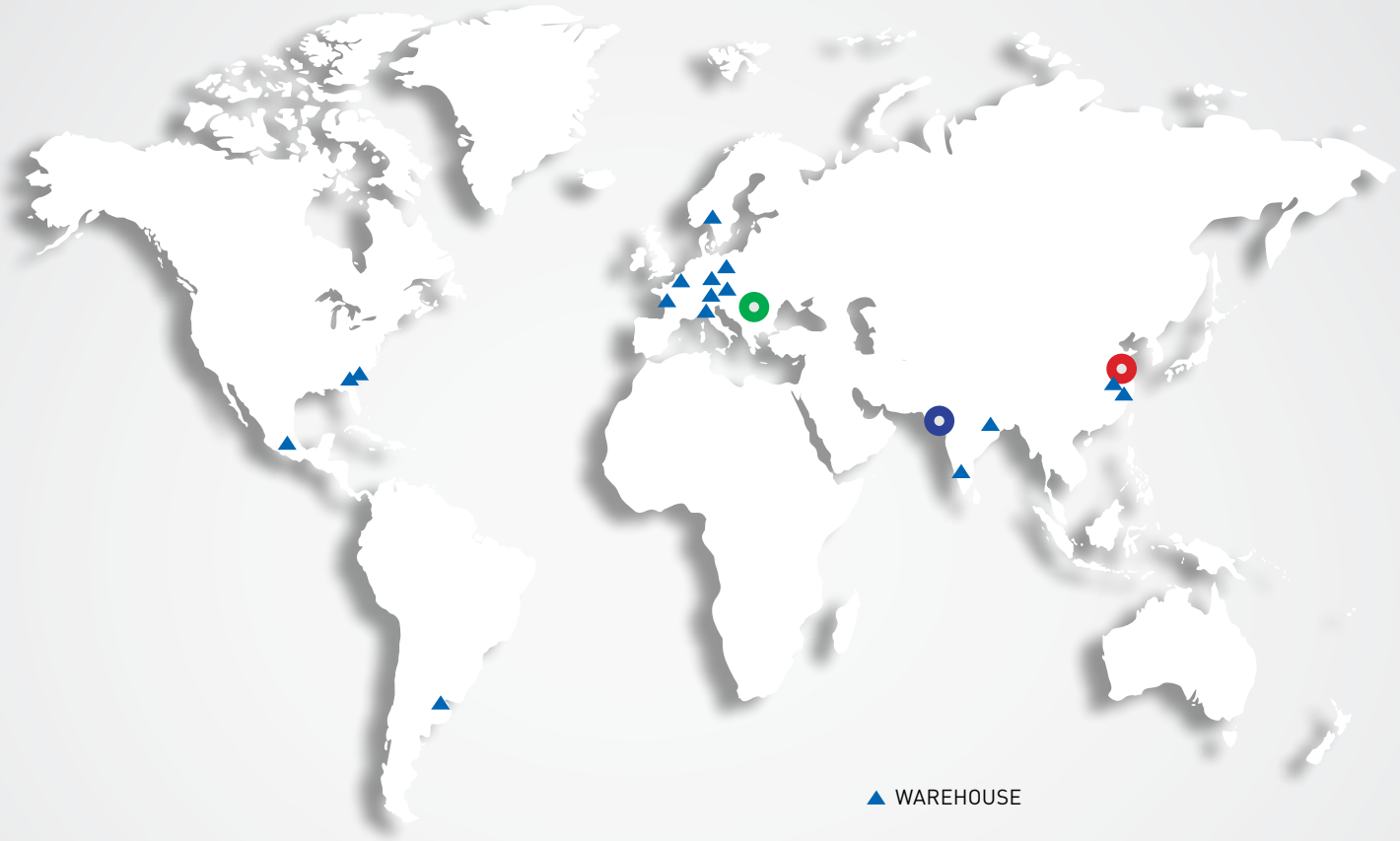
- Pro Engineer for 3D Modeling and Detailing
- NC tool path generation with Pro-MFG solution
- Auto Cad stations

PRODUCT DATA MANAGEMENT

- Wind Chill / PDM link solution by PTC

SHEET METAL FORMABILITY SOLUTION

- "HYPERFORM" by Altair Engineering USA
- Tool validation by "HYPERWORKS"



HARSHA
ENGINEERS

www.harshaengineers.com

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