



SYSTEMGAUGES & TOOLS INDIA PVT. LTD.
(Formerly Known As UseTech Gauges)



**Manufacturer, Supplier of
Work & Tool Holding Fixtures**

About Us

System Gauges & Tools India Pvt. Ltd. now is very active and leading the firm by marking the high level of technical & commercial knowledge resulting into manufacturing of Precise Hydraulic & Collet type fixtures.

We take great care and effort to provide you with the greatest items, whether it's a simple Mandrel or Critical Hydraulic Fixtures or a sophisticated technical creation in Work Holding.

Over the course of 20 years, we have produced a wide range of tool work holding solution such as Gear Hobbing Mandrels, Gear Shaving, Hydraulic clamping systems, finish Turning Mandrel, milling & drilling Mandrels and Cylindrical Grinding Mandrels along with auto component Gripper & Hydronut with Arbors.



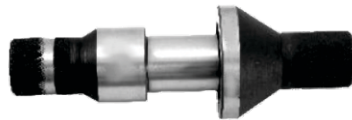
Hydraulic & Collet Type Hobbing Fixtures

- ▶ Hobbing Fixtures are mainly used for high torque clamping workpieces.
- ▶ Main advantage of such kind of fixtures is minimum face runout and self centring resulting in minimum OD runout after
- ▶ Best result against the mid & large module size component considering hob cutter.



Hydraulic Shaving Mandrel

- ▶ Between Center Shaving Mandrel
- ▶ Machine Mounted Shaving Mandrel
- ▶ Very precise runout and best repeatability on both type of mandrels.



Gear Grinding Mandrel / Fixtures

- ▶ Gear Grinding Mandrel are highly precise and are better known for the critical accuracies. Hydraulic as well as collet type Profile Grinding Fixture results into the continues repeatability of required runout on face & OD of Master Gauge.
- ▶ Runout on Master Gauge will be less than 0.003 mm.
- ▶ Cylindrical Grinding Mandrel are mainly used of Grinding the OD & Side face of workpieces by clamping ID and side face of the same. R/O will be below 0.003 mm by using
- ▶ Also, mainly these mandrels are having spigot type diameter resulting in better guiding in machine base collar.



Inspection Mandrels

- ▶ Ensures best location with no clearance
- ▶ Consistent repetitive accuracy
- ▶ Increases productivity
- ▶ Reduces rejections to a minimum
- ▶ Reduces cost in every aspect
- ▶ No requirement of additional skill
- ▶ Low maintenance



Tool & Cutter Clamping Solutions

- ▶ Hydronut – Hob Cutter Face Clamping Solution.
- ▶ Precise Arbors for Hobs
- ▶ Hydraulic Clamping nuts are used for proper face clampings for Hobs reducing the axial runout.
- ▶ Extremely versatile hydraulic clamping device. It can be used as a nut, screw or spacer ring. For special applications, the annular clamping surface can be inwardly or outwardly adapted.
- ▶ Broach Holders – Broach Tool Clamping Solutions

Automation

- Auto Loader / Gripper – Workpiece Auto Loader for automation
- Such kind of workpieces are highly used for auto loading and unloading of workpieces inside the fixtures. These results into higher safety and less intervention of operator.

