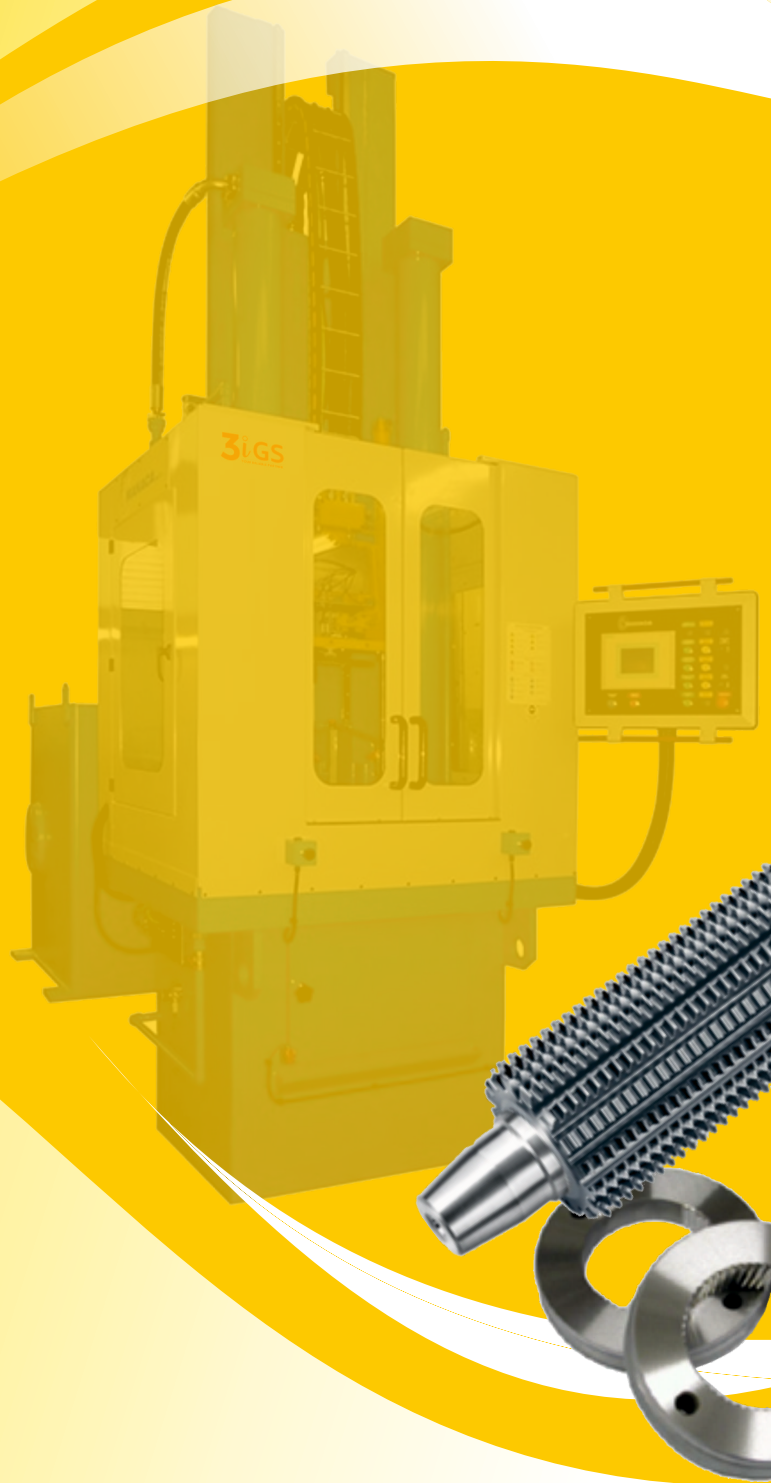


**A Company You Can Trust As
Your Reliable Partner.....**

3iGS
YOUR RELIABLE PARTNER.



Spline Gauges | Air Gauges | Broaches | Multi Gauging

HOME & ABOUT US



We are a team of 6 people who have a rich experience in gear tooling design, manufacture & its application, especially in spline broaches , surface broaches, spline gauges and air gauges.

Our highly skilled team is dedicated to producing supreme quality and reliability across our extensive product range, ensuring spline standard as market leaders in the field of precision gauging, broaches & gear cutting tools.

Our professionalism and knowledge base ensures our quality standards exceed customer expectations. Our team of technicians delivers the highest standards. Quality controls at each stage of manufacture are carefully monitored through our production process through to final inspection, ensuring that every aspect is delivered to precision.

At 3i gauging solution we pride ourselves on our commitment to customer service and ensuring a fast and effective response to our customers. 3i gauging solution is a company you can trust as your reliable partner.



Vision

TO EMERGE AS A RELIABLE SOLUTION
PROVIDER IN AUTOMOTIVE /
AEROSPACE INDUSTRY



Mission

COMMITMENT WITH COLLABORATION
QUALITY WITH PRECISION

PRODUCTS

Our product Offerings

- ▶ **Spline Gauges**
- ▶ **Air Gauges & Electronic Display Unit**
- ▶ **Broaches**
 - Key way Broach / Surface broach
 - Round Broach
 - Square Broach
 - Hexagonal Broach
 - Broach Resharpening
- ▶ **Broaching Machine**
- ▶ **Gear Cutting Tools**
 - Hobs
 - Shaper Cutter
 - Shaving Cutter
- ▶ **Jigs & Fixtures**

PRODUCTS



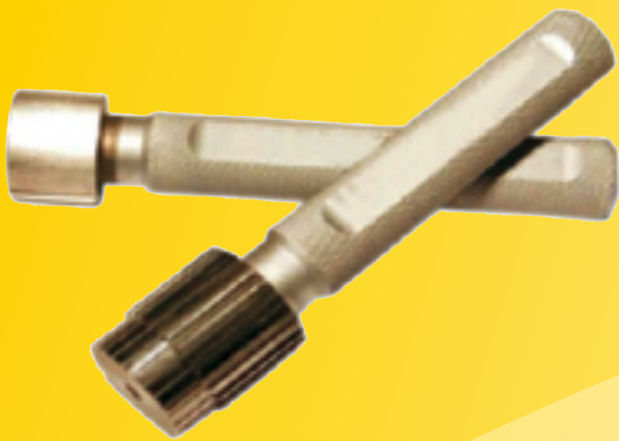
Spline Gauges

3i Gauging Solution designs & manufactures all following types of spline gauges, mandrels, drifts etc.

Class of accuracy

3i Gauging Solution manufacture the gauges with accuracies as per DIN 3962 class 5.

The different types of gauges which we have mastered to manufactured are



Spline plug gauges **Type op profile**

- ▶ Involute spline
- ▶ Straight spline
- ▶ Serration spline

Spline ring gauges **Type op profile**

- ▶ Involute spline
- ▶ Straight spline
- ▶ Serration spline



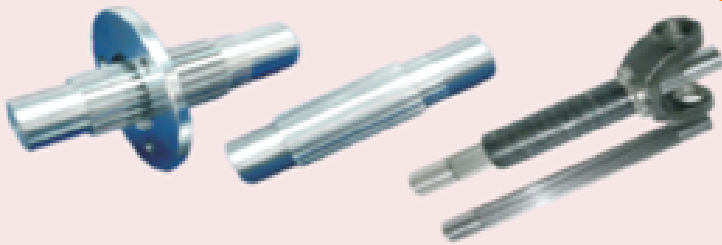
Material Of Gauges

- ▶ OHNS
- ▶ HSS – M2
- ▶ ASP2023
- ▶ Carbide Ring Gauges

PRODUCTS



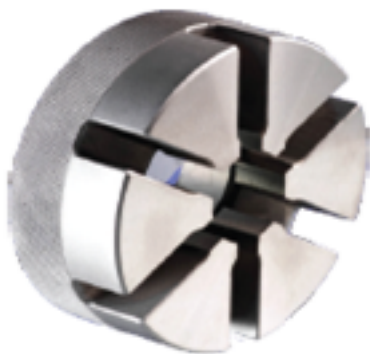
Serration Taper drifts



Spline taper mandrels

Type of profile

- ▶ Involute spline
- ▶ Straight spline
- ▶ Serration spline



Cross cut ring gauges

Material of Gauges

OHNS, HSS-M2, ASP2023 etc..

Air Gauges



Air Plug Gauge/Air Ring Gauge / Air Caliper

- ▶ Standard 2-jets to check size, taper and ovality.
- ▶ In APG & ARG, 3/4-Jets at multi- levels to check average size, tri-lobe, Y&Y diameters, bend, twist & CD of a components
- ▶ Multi-jets Air Caliper to check crowing.
- ▶ Hard Chrome plated APG as per requirement.
- ▶ Carbide Sleeved APG/ARG as per requirement.
- ▶ Depth Collars as per requirement.
- ▶ Bench Mounted as per requirement.

PRODUCTS



Electronic Display Unit

- ▶ Single Channel Display
- ▶ Two Channel Display
- ▶ Three Channel Display

Comes with

- ▶ Tricolour seven segment display
- ▶ Resolution of 0.5 m and 1 m
- ▶ RS232 Communication
- ▶ various part program saving facility
- ▶ Std air saver facility



PRODUCTS



Customised Gauging

- ▶ Multi-gauging Fixtures
- ▶ ConRod & CD Fixtures
- ▶ Position Gauge Fixtures
- ▶ Distance Gauge Fixtures
- ▶ Flatness checking Fixtures



PRODUCTS



Broach

3i Manufactures all types of broach from Design to manufacture like Key way , Surface, Involute, Square , Hexagon and any special profile requirements

Size Range – Involute – Dia – 10mm to 200mm , Length 2000mm

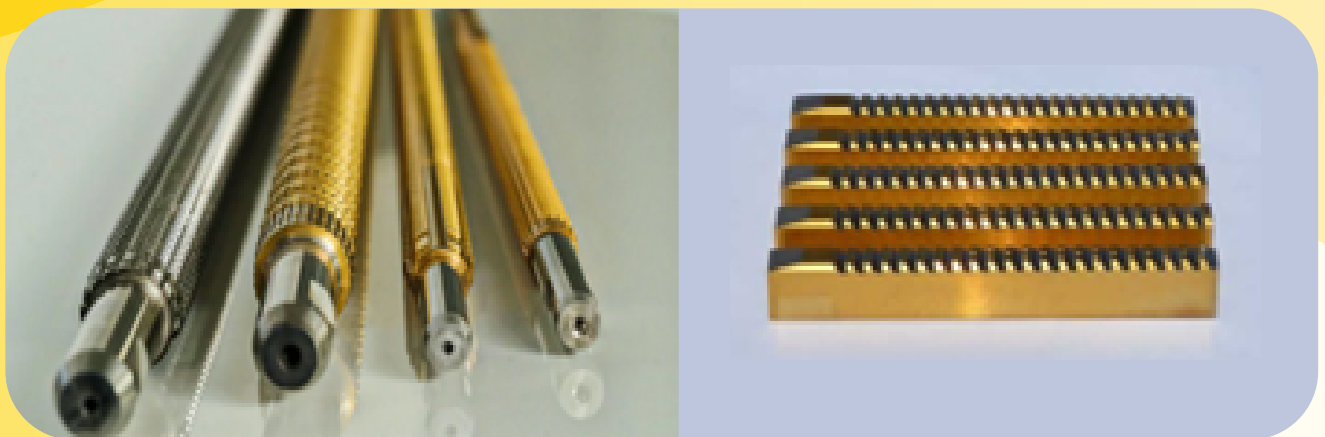
▪Width – 3mm to 150mm.

Material

M2, M35, ASP2023 , ASP2030, ASP2052

Coating

Can be supplied with TIN , Alcrona , TIALN



Broach Resharpener

- We have in depth knowledge of Broach Resharpener
- Capable of Round and Flat broach resharpener
- Can be ground using CBN wheels
- Capacity of Resharpener - Length – 2000mm Dia 160mm
- Available equipments like Demagnetizer , Pitch & Rake angle

PRODUCTS



Broaching Machine

Our Models

- ▶ Vertical Broaching Machine
- ▶ Capacity of 30 Tons
- ▶ Pull down or Pit type
- ▶ Table Up



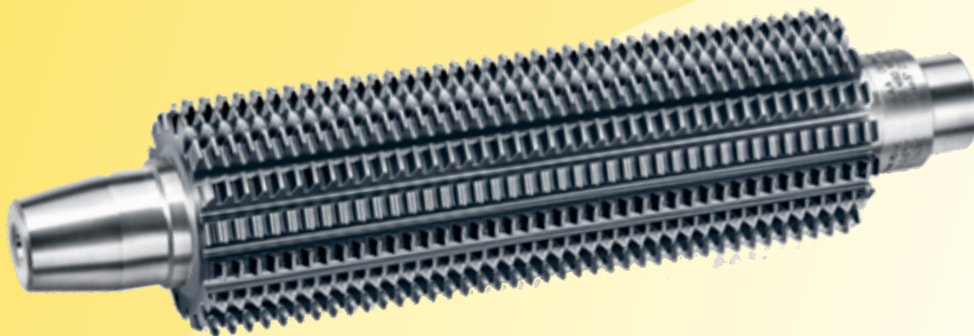
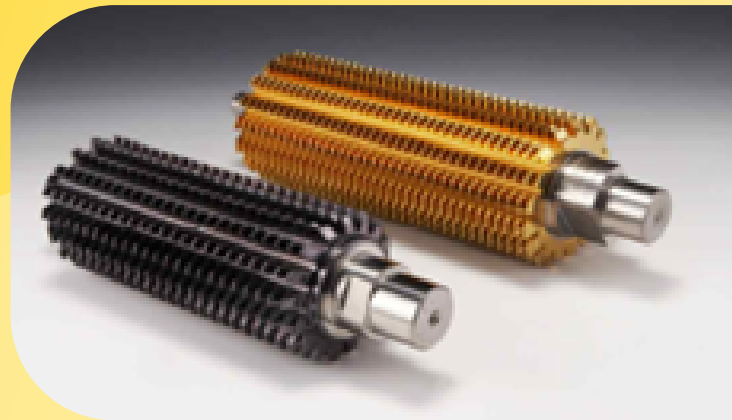
PRODUCTS



Gear Cutting Tools

Our Product Range

- ▶ Solid Hobs for Spur and Helical Gears.
- ▶ With profile Modification – Protuberance , Topping , Semi Topping etc.
- ▶ Hobs can be supplied in Single or multistarts
- ▶ Class of accuracy A, AA & AAA as per DIN3968
- ▶ Hob Material – M35, ASP2030 , ASP20252 , Carbide
- ▶ Range – Module – 0.1 to 40 (25mm to 300mm Diameter)



Jigs & Fixture

At 3i, we specialize in designing and manufacturing high-precision jigs and fixtures for holding workpieces during gear cutting and inspection processes. Our solutions are engineered to achieve close tolerances of ± 2 microns, ensuring exceptional accuracy and consistency in dimensional performance.

Partner with us for precision-engineered tools that enhance efficiency and reliability in critical machining and inspection operations.

Contact

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