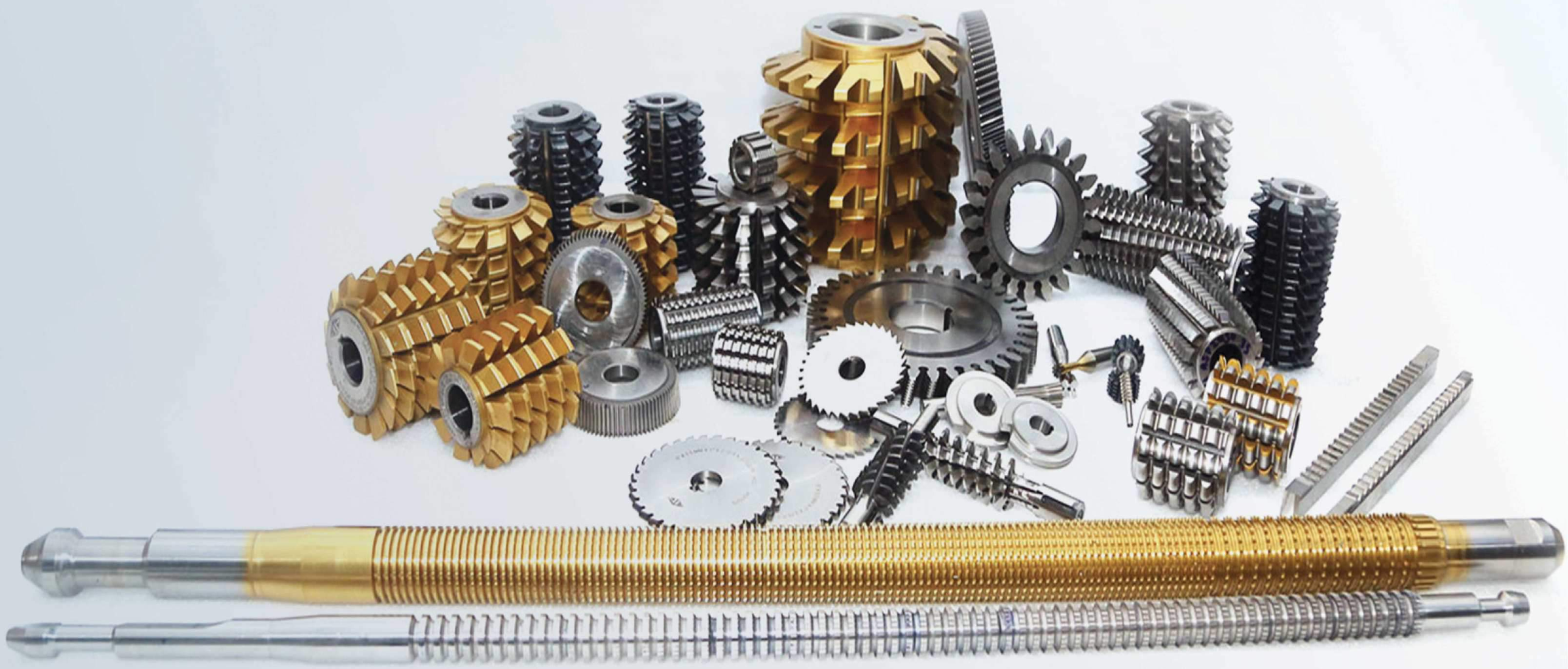
STC™

SINCE 1977



SUPER TOOLS CORPORATION

Mfrs. of Gear Cutting Tools & Broaches

An ISO 9001:2015
CERTIFIED COMPANY

www.stcgeartools.com

COMPANY PROFILE

FORMATION

Founded in the year 1977, Super Tools is Manufacturer and Exporter of Gear Cutting Tools and Broaches. Our Company is equipped with all the latest CNC Machines & Technology to manufacture high precision gear cutting tools and broaches.

TEAM

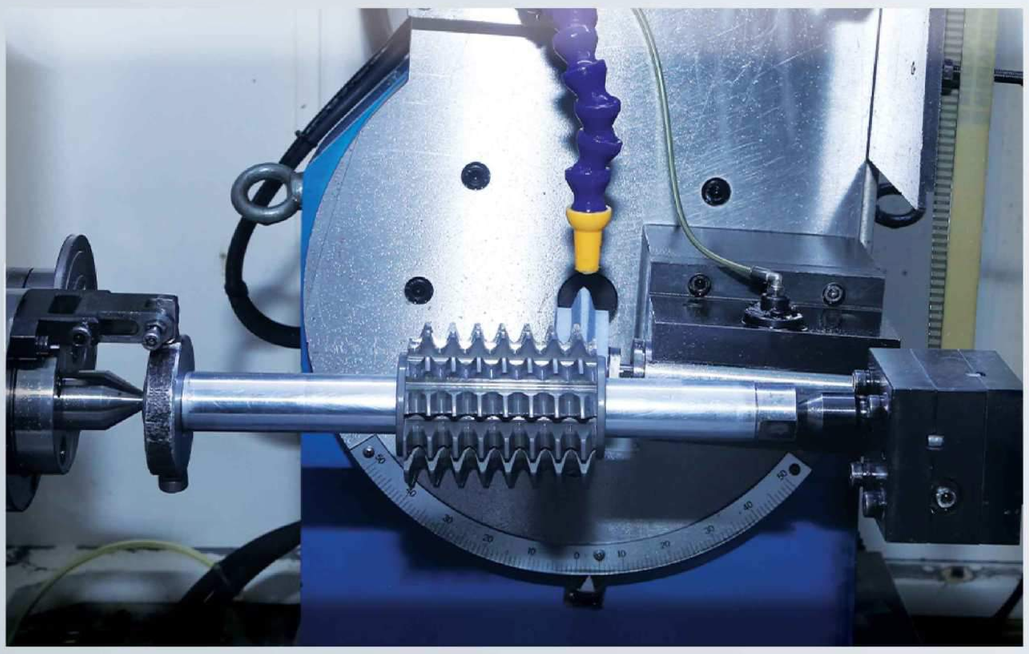
We have a team of highly managed professionals to understand the needs of our customers. We keep in mind the goals and strategies of the company and work in that direction to achieve our goals.

PRODUCTS

Full range of Products & Services include:

- HSS Hob Cutters
- Carbide Hob Cutters
- Shaper Cutters
- Gear Shaving Cutters
- Milling Cutters
- Broaches
- Master Gears
- Gauges
- Hob Cutter Re-Profiling
- Hob Cutter Re-Sharpening
- Gear Shaving Cutter Re-Sharpening
- Master Gear Re-Profiling
- PVD Coatings

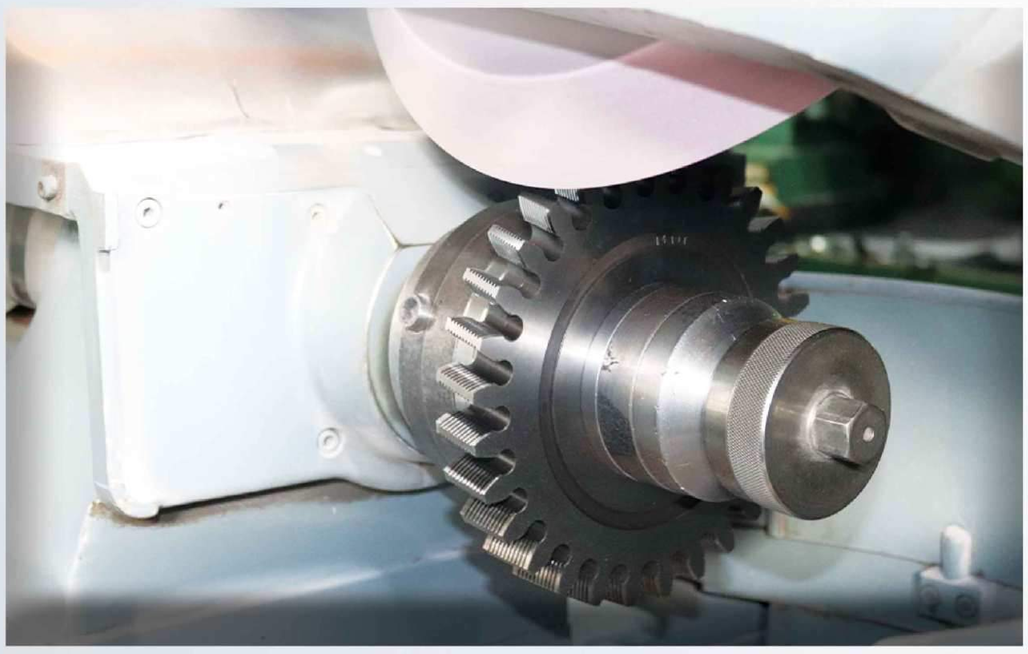
Technology & Infrastructure



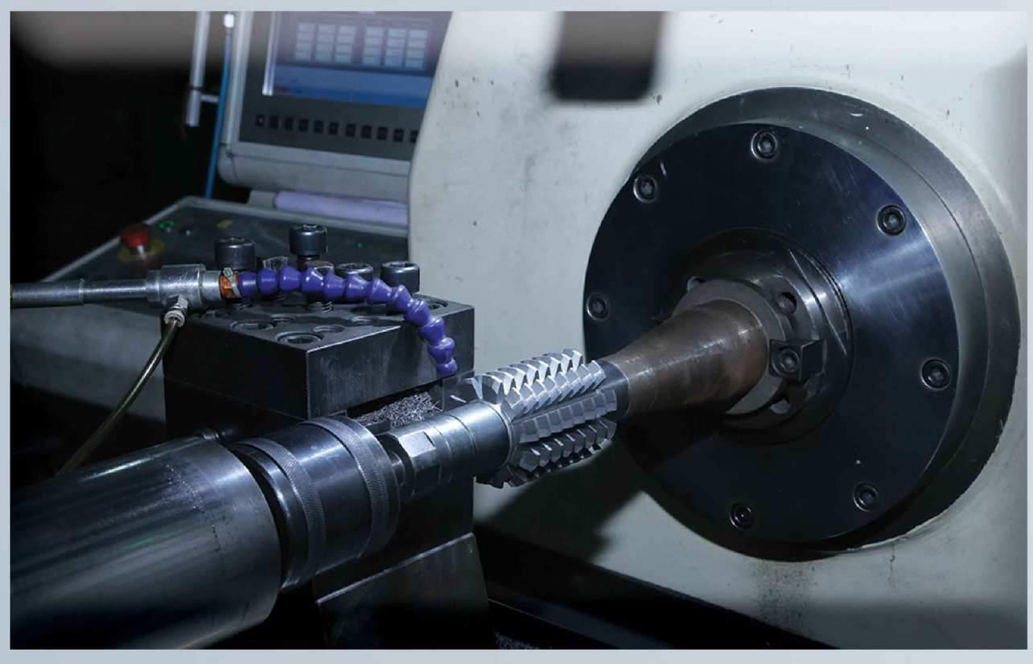
CNC Hob Profile Grinding Machine

CNC Hob Sharpening Machine

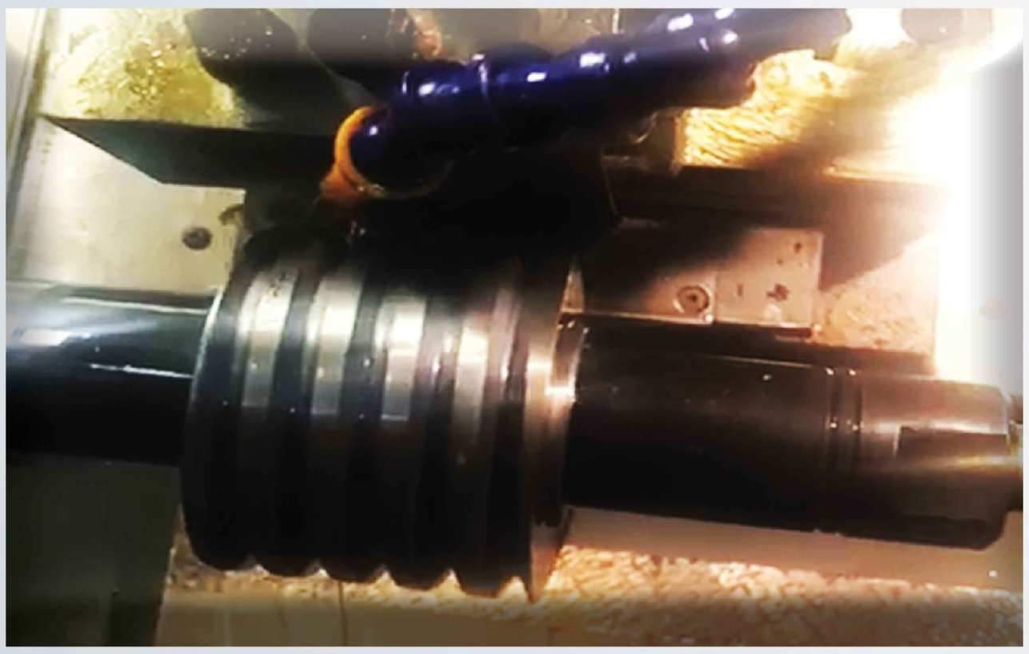
Klingelnberg P26 Measuring Machine



Hurth Shaving Cutter Grinding Machine



CNC Relief Turning Machine



CNC Hob Threading Machine

GEAR HOBS

Product Information:

STC is Manufacturer of Gear Hobs made with maximum accuracy and proper finishing. Besides Gear Hobs, we also supply custom Gear Hobs as per customers requirement.

- Material: S290/S390/S590/ASP2052/ASP2030/ASP2060/M35/M2
- Accuracy class: Up to AAA as per DIN3968
- Maximum Diameter: 250mm
- Maximum Length: 250mm
- Module Range: 0.2 to 25 Module

We Manufacture :

- Gear Hob
- Spline Hob
- Chain Sprocket Hob
- Timing Pulley Hob
- Worm Hob
- Serration Hob
- Special Profile Hob

CARBIDE HOB CUTTER

STC Manufacture high performance Solid Carbide Hobs.

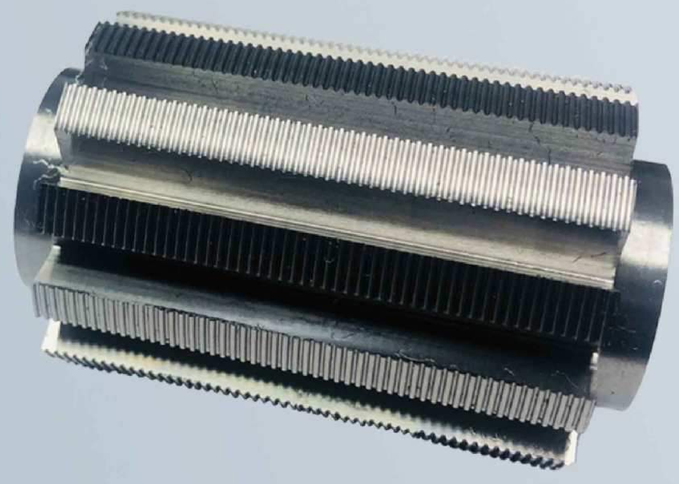
- Module: 0.2 to 4.0 module
- Size and Profile: As per customer requirement

CARBIDE SHANK TYPE HOBS

STC produces Carbide Shank Type Hobs with high functional life.

- Module: 1 to 4.0 module
- Size and Profile: As per customer requirement

CARBIDE SERRATION HOBS



Solid Carbide Serration Hobs with fine pitch are manufactured by us as per customer requirement.

SHAPER CUTTERS

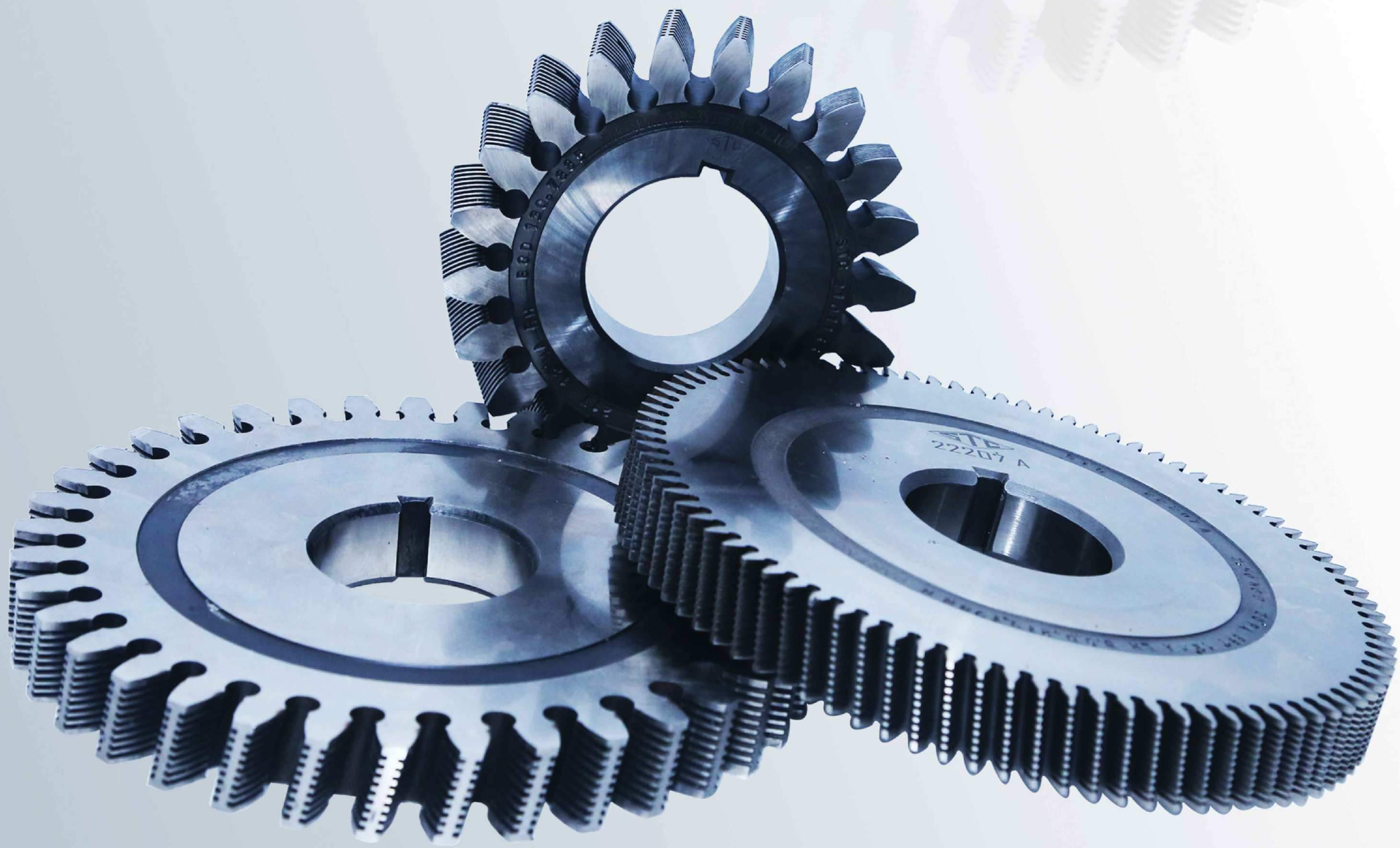
We Manufacture Shaper Cutters according to gear data provided by our customers. Our range of Shaper Cutters includes Disc Type,Shank Type,Hub Type, Helical Shaper, Timing Pulley, Chain Sprocket & Skiving Shaper Cutters.

- Material: M35, ASP2030, ASP2052, S390 & Solid Carbide
- Module Range: 0.3 to 10 Module
- Accuracy Class: upto ‘AA’
- Coating: TiN, TiAlN, Altensa
- Type: Helical & Spur
- For Internal and External gears
- PCD from 40mm to 250mm for Disc & Hub type
- Root Diameter starts from 8mm for Shank Type.

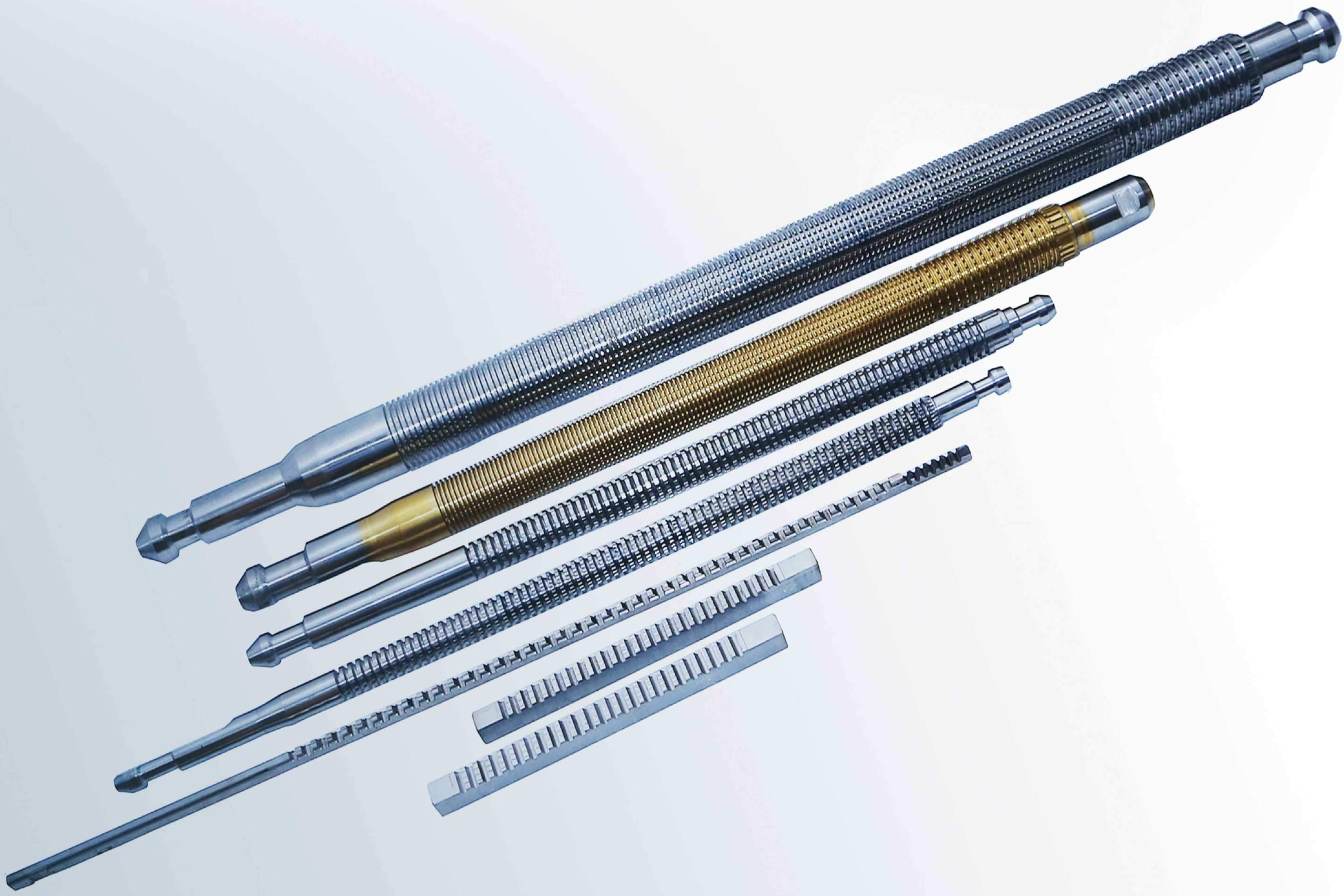
GEAR SHAVING CUTTERS

STC Manufactures Gear Shaving Cutters such as Conventional, Diagonal, Underpass and Plunge cut with a wide range of sizes according to the customer requirement.

- Range from: 1.25 to 8 Module
- Available in material M2/M3/ASP 2023
- Thickness up to 65 mm
- PCD from 100 to 250 mm
- Profiles: Tip Relief or Root or both, ‘K’ profile, lead crowning, or any customized profile.



BROACHES



STC Manufactures Push & Pull Type Broaches in HSS M2, HSS M3 Type II, HSS M35 and ASP2030 grades.

- SPLINE BROACHES

- Straight
- Involute
- Serration
- Interspace

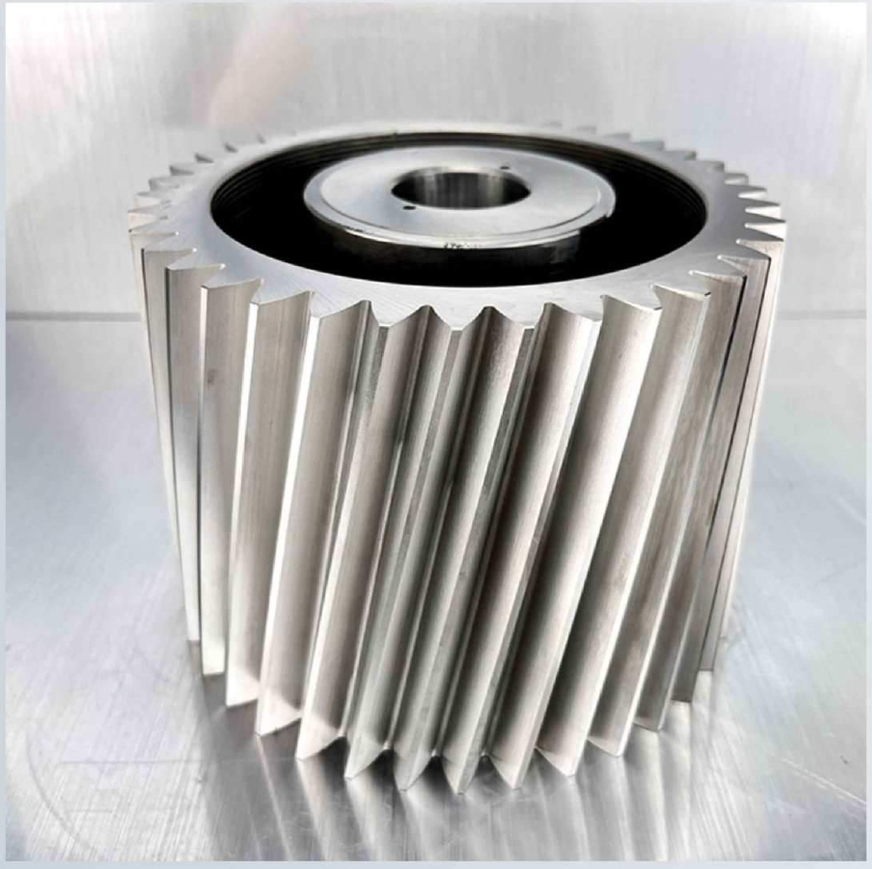
- INTERNAL HOLE BROACHES

- Square
- Round
- Rectangular

- KEYWAY BROACHES

- With or without Chamfer
- Combined Round & Single Keyway etc

MASTER GEAR



STC manufacture Master Gears as per customer requirement for Flank / Profile checking.

- Range from 1.0 to 8 Module.
- PCD from 80 mm to 220mm
- Type: Spur & Helical
- Thickness up to 60mm
- Accuracy class IV as per DIN 3962
- Materials: M2/M35

MILLING CUTTERS

STC manufacture Milling Cutters for any kind of special profile.

- Manufactured in M35, ASP2030, ASP2052 & S390 Grades.
- Accuracy Class up to AA
- Supplied with all types of coatings.

SLITTING SAWS

STC manufacture Slitting Saws in Coarse and Fine Teeth as per IS:5031 and BS-122-Part-1.

- Material: HSS M2, & M35
- Thickness: 0.5 to 6mm
- Minimum Diameter: 30
- Maximum Diameter: 250

SPLINE GAUGES

Spline Gauges can be manufactured and supplied in following profiles:

- Serration
- Straight Spline
- Involute Spline

SPLINE RING GAUGES

STC manufactures Spline Ring Gauges as per various standards or customer requirement.

- Quality Standard : Involute Spline ANSI B 92.1-1970.
- Range: dia. 19 mm-dia 130 mm with 25mm profile length.

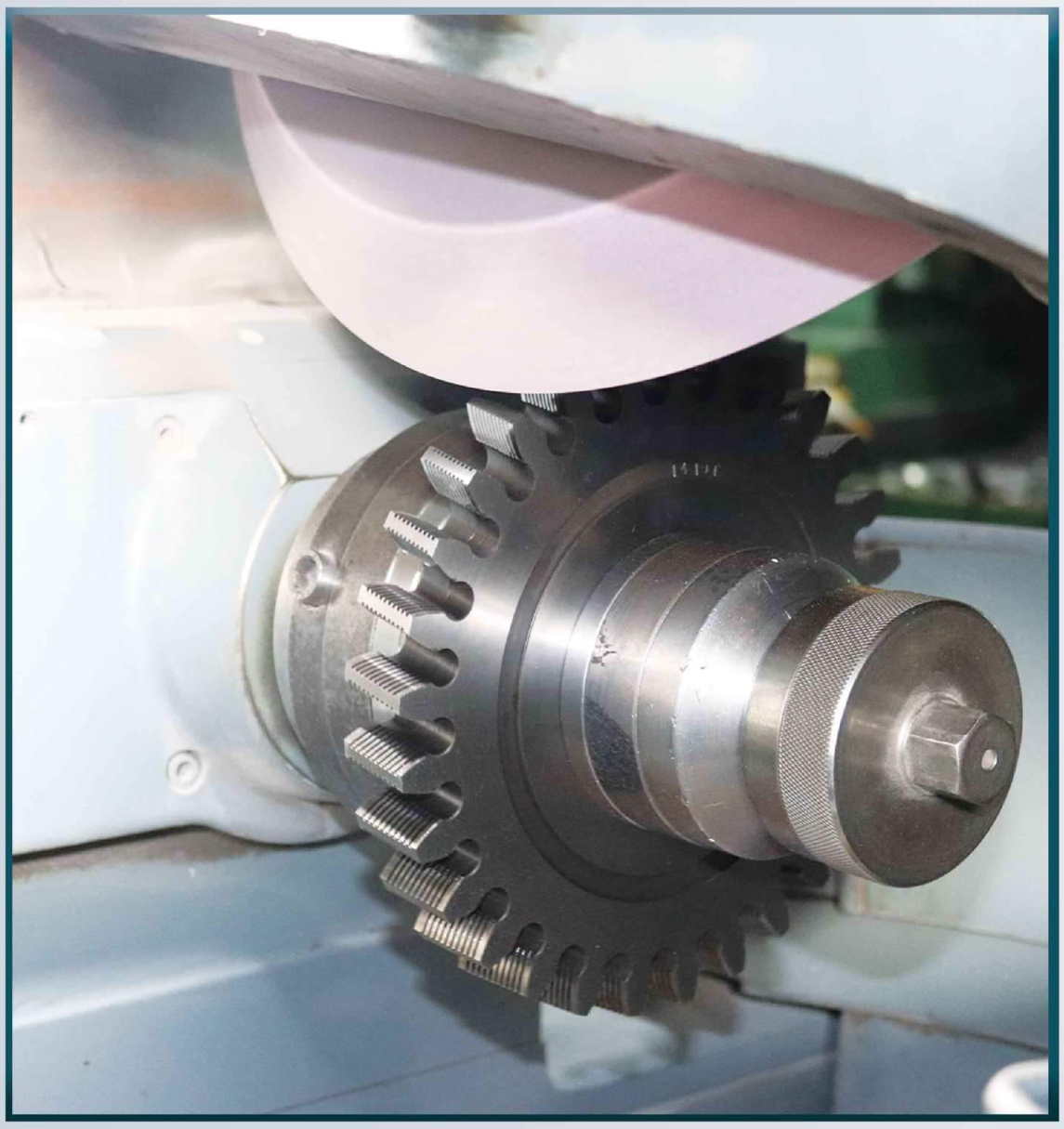
PLUG GAUGES

We manufacture Plug Gauges as per customer requirement.

SERVICES

Hob Cutter Re-Sharpening

We provide Hob Cutter Re-Sharpening Services. Re-Sharpening of the HOBS is done on State of the Art CNC HOB SHARPENING MACHINE which can sharpen Hobs upto “AAA” Class.



Gear Shaving Cutter Re-Sharpening

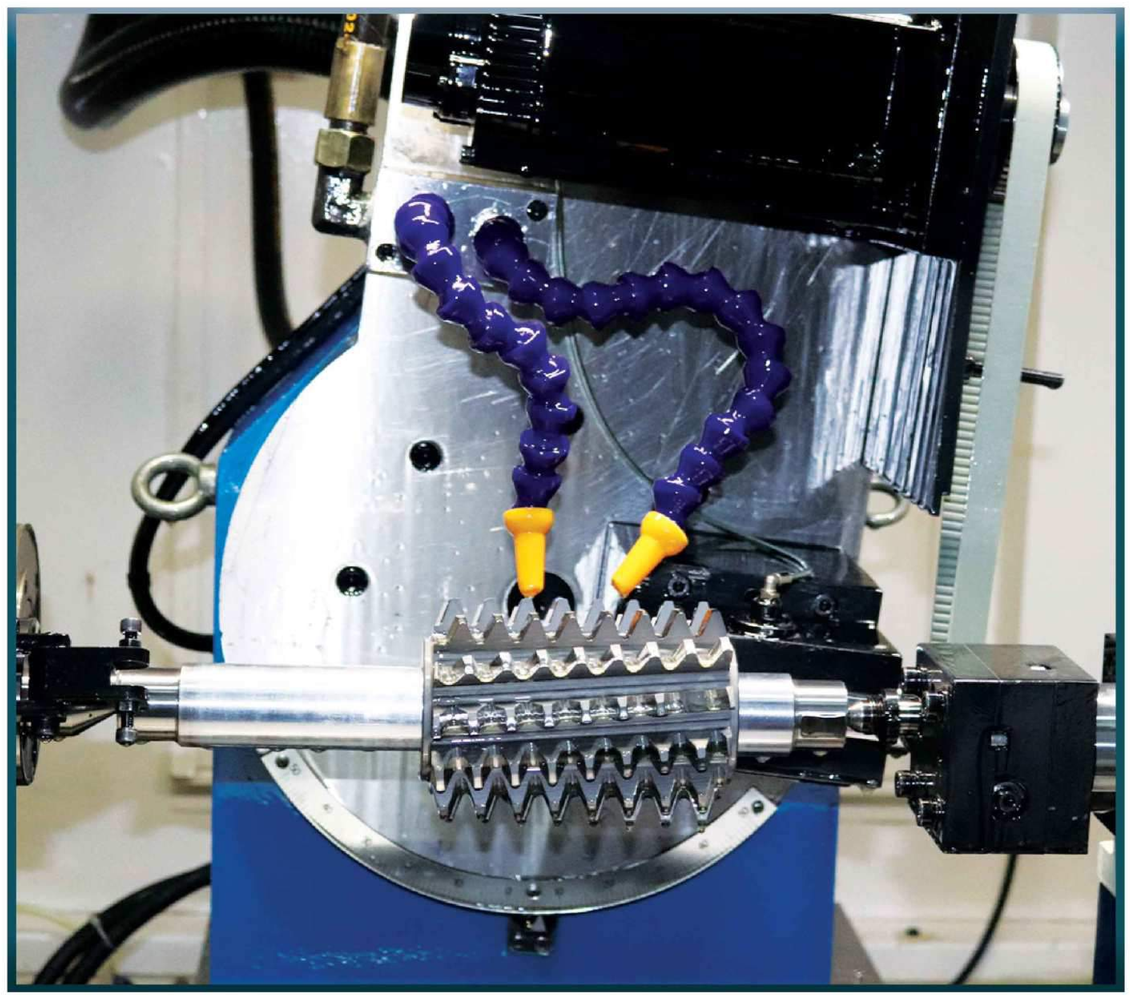
We offer the service for Re-Sharpening of all types of Gear Shaving Cutters on state of the art HURTH SHAVING CUTTER GRINDING MACHINES.

Standard Involute, Tip Relief, Profile & Lead Crowning, "K" Profile & Special Profiles as per requirements of the customer can be provided.

Lead and Profile graphs done on Klingelnberg P26 CNC Tester can be provided with every individual tool.

Master Gear Re-Profiling

We Re-Profile Master Gears on state of the art profile Grinding Machines. Profile Correction can be done as per customer requirements. Lead and Profile graphs done on Klingelnberg P26 CNC Tester are provided.



Hob Cutter Re-Profiling

We provide Hob Cutter Re-Profiling services for your de-funct inventory of Hobs, so that those Hobs can be re-used for production.

PVD Coatings

STC tools are supplied with PVD Coatings to enhance the tool life. We provide coatings as per customer requirement or application.

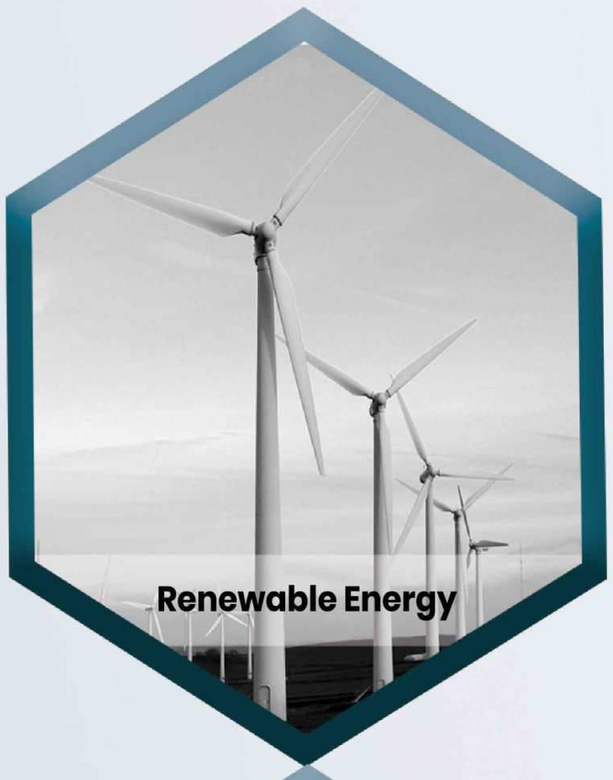
Types:

- TiN
- AlCroNA pro
- Altensa

CUSTOMER SEGMENTS

Agricultural Equipment

Cars/Auto Mobile

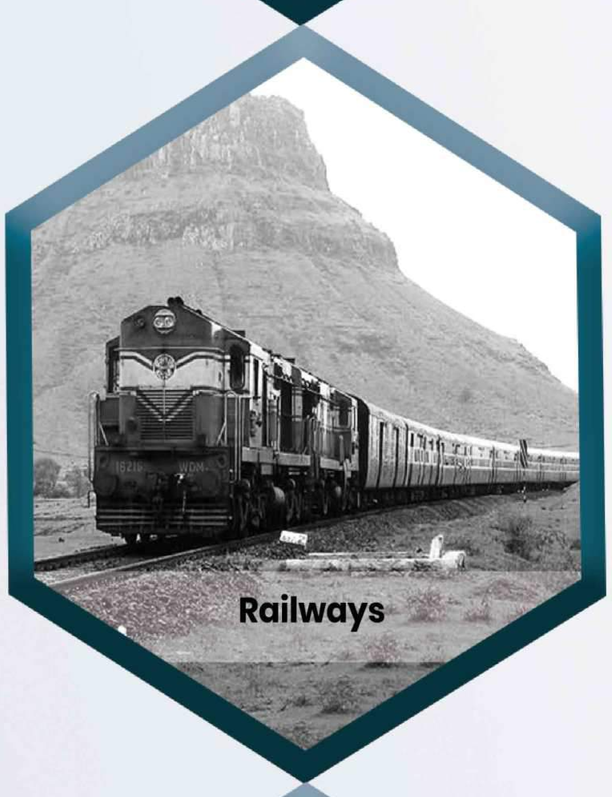

Renewable Energy

Engineering Vehicle

Two wheeler

Commercial Vehicles

Construction Equipment


Railways

Three Wheeler

Defence

Other Allied Industries

Aerospace

STC™

SINCE 1977

Gear Cutting Tools

Delivering high quality precision cutting tools Since 1977.

We Export Worldwide

SUPER TOOLS CORPORATION

B-23, Industrial Focal Point,Patiala, 147003, Punjab, India.

+91 991 4578 555 | +91 991 4678 555

info@stcgeartools.com www.stcgeartools.com