



SINCE 1977

SUPER TOOLS CORPORATION



Manufacturers of high-performance precision
Gear Cutting Tools, Broaches & Gauges with over
45 years of experience.



Company Profile

Super Tools founded in the year 1977, is a Manufacturer and Exporter of Gear Cutting Tools, Broaches, & Gauges. Our goal is to offer precision tooling with optimum solutions to our worldwide customers. Our Company is equipped with all the latest CNC Machines & Technology to manufacture high-quality tools.

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.

Mission

To be the most admired and trusted Gear Cutting Tools supplier to the gear industry by delivering superior quality products and innovative solutions. Our company remains focused on our goals of product improvement, quality, and availability. We strive to earn the trust of our customers by delivering only the highest quality products within the committed delivery period. We believe that innovation is key to our success, and we are always looking for new ways to improve our product quality and services.

Vision

Our Vision is to be the global leader in innovation, development, and services for all kind of Gear Cutting Tools & Broaches. We are committed to delivering exceptional service and support by staying focused on our customers' needs and exceeding their expectations at all times. Our vision drives us to develop and deliver high-quality Gear Cutting Tools and Broaches, that can be proven effective and efficient in their application.



CNC Broach Profile Grinding Machine



CNC Hob Profile Grinding Machine



Klingelnberg P26 Measuring Machine



CNC Hob Sharpening Machine



CNC Relief Turning Machine



CNC Hob Threading Machine



Hurth Shaving Cutter Grinding Machines

QUALITY MANAGEMENT SYSTEM

AN ISO 9001 : 2015 CERTIFIED COMPANY



RAW MATERIAL PROCUREMENT

We Procure HSS & PM Raw Materials from Böhler & ERASTEEL.

GRADES: M2, M35

PM HSS: ASP2023, ASP2030, ASP2052, ASP2060, S590, S390, S290



RAW MATERIAL COLOR CODING

Stored raw materials are identified by color coding as well as the length of the stored material. In addition to the color code, each strip of raw material is assigned a unique identification number. An identification number record is kept to identify the supplier and material.



IDENTIFICATION & TRACEABILITY

Each tool is documented through all stages of production process. This document consists of all the work instructions and technical parameters along with the raw material grade and unique code which is serial number of the tool.



HEAT TREATMENT CONTROL

Heat treating is a very key production step during the gear manufacturing process. The temperature of the heat treatment is controlled using digit temperature controllers and computer-controlled equipment operated by experienced heat treatment professionals.



CALIBRATION OF INSTRUMENTS

Periodic calibration of measuring instruments and testing equipment is done with the help of master gauges and meters or from some outer agencies as per BIS.



INSPECTION SYSTEM

Inspection of the tool is carried out in each part of the machine by maintaining the finishing / turning margins and the alignment during the heat treatment. Following heat treatment, the tools are ground to close tolerances in accordance with industry standards or the customer's particular requirements as shown in drawings, etc.



QUALITY RECORD MANAGEMENT

Quality records are being maintained for special and standard tools manufactured as per customer's drawings and specifications by preparing drawings and keeping a record of the same by assigning specific job / reference numbers to facilitate repeat orders.



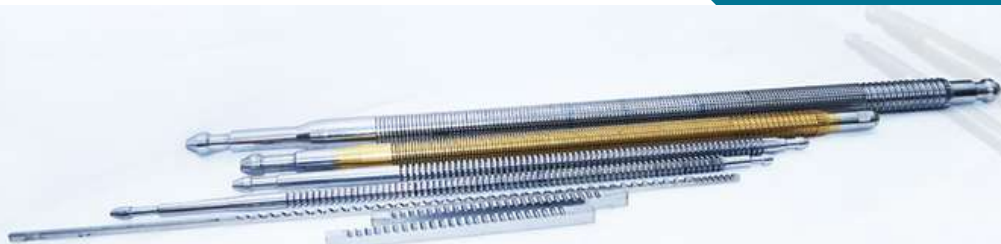
PACKAGING & SHIPPING

Products are packed in wooden plywood boxes for sea shipping to prevent them from moisture and damage. Special packing materials include: waterproof bubble wraps, film sheets, corrugated boards, wooden pallets and wooden crates and boxes. We also offer packing compliance in terms of documentation as well as special services.

OUR RANGE OF PRODUCTS



HSS & PM Hob Cutters



Broaches



Shaper Cutters



Solid Carbide Hobs



Milling Cutters



Skiving Cutters



Master Gears



Gear Shaving Cutters



Gauges

GEAR HOBS

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/Carbide
- Accuracy class: Up to AAA as per DIN3968
- Maximum Diameter: 250mm
- Maximum Length: 250mm
- Module Range: 0.2 to 25 Module



WE MANUFACTURE

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



SOLID CARBIDE HOBS



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.



RATCHET HOBS

We manufacture Ratchet Hobs in all materials and size ranges based on the customer's specific requirements.

CARBIDE MICRO HOBS

We manufacture Carbide Micro Hobs as per customer requirement.



CARBIDE SPECIAL PROFILE HOBS

Carbide Special Profile Hobs are made in custom profiles and size ranges as per customer's requirements. These hobs are made from high-quality raw materials, so it ensures world-class quality and the best performance.

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

➤ HELICAL BROACHES

➤ INTERNAL HOLE BROACHES

- Square
- Round
- Rectangular
- Hexagonal

➤ KEYWAY BROACHES

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





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.



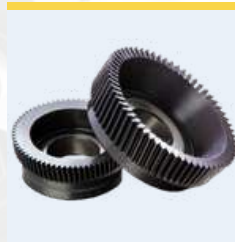
HELICAL SPLINE GAUGES

We manufacture Helical Spline Gauges 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.

- Material: M35, ASP2030, ASP2052, S390 & Solid Carbide
- Module Range: 0.3 to 10 Module
- Accuracy Class: upto 'AA'
- Coating: TiN, TiAlN, ALCRONA EVO
- 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.



SKIVING CUTTER

STC Manufactures Skiving Cutter in standard and non-standard profiles. Skiving Cutters can be produced for straight and helical gears. We make proposals for cutter designs and processing technologies tailored to gear dimensions.

- Material: ASP 2052, ASP 2060, S390, S290 and Solid Carbide.
- Coating- TiAlN & Altensa
- Profile: Standard and Non-Standard As per drawing.
- Type: Deep counterbore and other



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 250mm
- Profiles: Tip Relief or Root or both, 'K' profile, lead crowning, or any customized profile.





MASTER GEARS

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

- Range 0.20 to 8 Module
- PCD 20 mm to 220 mm
- Type: Spur & Helical
- Thickness upto 150 mm
- Accuracy class IV as per DIN 3962
- Material: M2/M35

MILLING CUTTERS

STC manufacture Milling Cutters for any kind of special profile.

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



SLITTING CUTTERS

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

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.

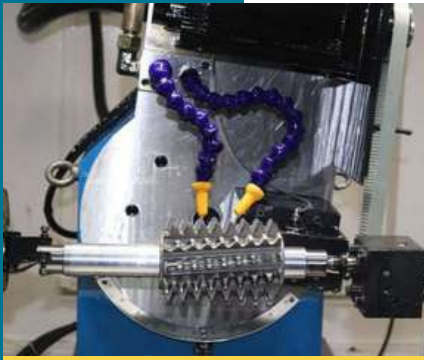
Lead and Profile graphs done on Klingelnberg P26 CNC Tester can be provided with every individual tool.

SERVICES



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 life. We provide coatings as per customer requirement or application.

Types:

- TiN
- AlCrNA pro
- Altensa

OUR CUSTOMERS



We also Export to 25+ Countries



CUSTOMER SEGMENTS





SUPER TOOLS CORPORATION

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