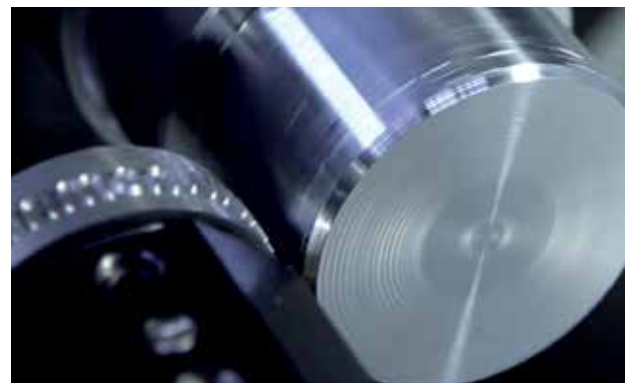


# PRODUCT CATALOG

PLATINUMTOOLING.COM  
(847) 749-0633





Platinum Tooling Technologies, Inc., located in the Chicagoland area, supplies our growing North American customer base with precision machine tool accessories from various global suppliers. Our premium lines include Live Tools and Angle Heads from heimatec GmbH, Swiss-type Collets and Guide Bushings from Tecnicrafts Industries, Mechanical, Air, and Motor Speeders from Henninger, QUICK Knurling and Marking Tools from Hommel + Keller, Shrink Fit Tool

Holders and machines from Rineck, Specialty and Adaptive Guide Bushing Systems from Dunner, and Broaching Tools from REV.

Platinum Tooling serves the automotive, aerospace, medical, firearms, and energy markets, as well as many other industries in metalworking. We have an extensive network of sales representatives throughout the United States, Canada, and Mexico to supply OEMs, Machine Tool Dealers, and Industrial Supply Companies.

Our dedicated staff is committed to providing the best customer service in the industry.



Heimatec, in business since 1987, is a global manufacturer of Live Tools and Angle Heads located in Renchen, Germany. Their staff of more than 125 employees, pride themselves on designing and manufacturing superior quality tools that deliver outstanding performance and longevity. In addition, Heimatec's extensive tooling selection ensures the right tool for every turning and milling task.



Tecnicrafts Industries, founded in 2002, boasts a state-of-the-art plant situated in the bustling industrial city of Coimbatore in Southern India. Their highly skilled machinists manufacture precision Collets and Guide Bushings for Swiss-type Lathes sold all around the world. Tecnicrafts is always striving to keep ahead of the industry with products to troubleshoot any unexpected challenges.



Henninger, located in Southwest Germany, is a manufacturer of specialized equipment and precision machine tool accessories. Mechanical, air, and motor driven Speeders plus Custom Angle Heads and Live Centers are among their specialties. Their products are designed with thoughtful engineering and the highest quality materials for tool longevity and performance.



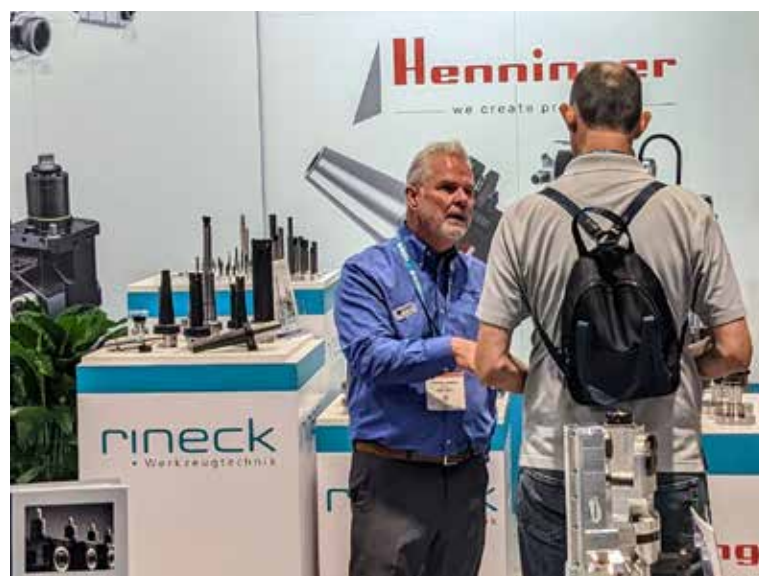
Rineck, located in Northern Germany, has been manufacturing Shrink Fit Tool Holders since the technology was introduced to the marketplace. They offer the broadest range of standard and custom styles and sizes to match every application. All Rineck Tool Holders are produced for high accuracy and maximum rigidity.

In addition to Tool Holders, Rineck offers Shrink Fit Machines that are efficient and easy to use.



Dünner, located in Moutier, Switzerland, is a 4th generation family-owned business founded in 1935. Dünner offers a variety of specialty guide bushings designed to minimize the challenges that arise from machining difficult workpiece materials.

In addition, they offer the easy-to-use DunnAir Adaptive Guide Bushing System for added flexibility and consistency.



Hommel + Keller, a global leader in Knurling technology, manufactures superior quality tools based on 90 years of experience. Quick Knurling and Marking Tools are designed to provide perfect function, outstanding appearance, and first-class surface quality. Hommel + Keller offer a wide variety of standard tools suitable for most applications.



REV, located in Northern Italy, is a manufacturer of innovative broaching solutions for CNC Lathes and Machining Centers. In business since 1998, REV spent years perfecting a broaching system that could perform slotting and keyway functions directly on a CNC Lathe eliminating the need for a secondary set-up. All REV Broaching Tools offer excellent performance with long insert life and high surface quality.



  
**heimatec®**

## **Platinum Tooling is proud to represent Heimatec Live Tools in North America.**

Our partnership with Heimatec GmbH began in 2010 as Heimatec, Inc. As the exclusive importer of Heimatec tooling, we made our place in the machine tool accessory market and branched out on our own in 2018 as Platinum Tooling Technologies, Inc. Although we have

a different name, our commitment to Heimatec and the superior quality tools they produce have remained unchanged. It is an honor to be aligned with a manufacturer who never compromises on quality, safety, or accuracy.

Heimatec sets the standard for the highest precision and most advanced technology in the machine tool accessory market.

Heimatec specializes in the development and production of precision Live Tools. Engineered to provide outstanding performance and durability, Heimatec's superior design allows for maximum stability and accuracy. The tools are designed and manufactured exclusively at Heimatec's headquarters in Renchen, Germany, with close attention to detail. The use of superior bearings and gears ensures Heimatec tools will supply smooth transmission and high torque output. From start to finish, every step of the manufacturing process is closely monitored by Heimatec's dedicated employees.





## Heimatec offers the widest range of Live Tools in the industry.

Heimatec has a database of over 40,000 designs suitable for most turning and milling applications. For simple or complex processes, Heimatec tools are designed for maximum productivity and performance. In addition to standard axial and radial tools, their tooling selection

includes speed increasers up to 48,000 rpm, high-torque, universal adjustable, multiple spindle, and gear hobbing tools. Most styles can be supplied with high pressure internal coolant capabilities.

Heimatec supplies precision Live and Static Tools in all sizes...from the smallest Swiss-type CNC Lathes all the way to the largest Live Tool Lathes. Heimatec manufactures tools for the most popular machine tool builders.

CITIZEN  
CMZ  
DMG MORI  
DN SOLUTIONS  
EUROTECH/BIGLIA  
FUJI  
HAAS  
HURCO

HWACHEON  
HYUNDAI WIA  
MAZAK  
MIYANO  
MURATA/MURATEC  
NAKAMURA  
OKUMA  
SMART

SMEC  
SPINNER  
STAR  
TAKAMAZ  
TAKISAWA  
TSUGAMI  
VICTOR/FORTUNE  
YCM



# Heimatec standard program includes a broad range of axial, radial, adjustable, multiple spindle, and speed multipliers.

As the exclusive importer of Heimatec Live Tools in North America, Platinum Tooling inventories a wide variety of tooling in Prospect Heights, Illinois. Additional products are available to ship from factory stock in Renchen, Germany.



OD/Axial Offset  
Style Tool



Universal Adjustable  
Angle Tool



Multiple Spindle Tool  
6x ER 11



Standard OD/Axial  
(Straight) Tool



Standard Face/Radial  
Tool (90°)



OD/Axial  
Twin Spindle Tool



## Get the most from your Swiss-type Lathe.

Swiss-type Lathes, originally developed for the manufacture of precision parts for the watch industry, are now being used in the manufacturing process anywhere large batches of high-precision parts are required. These machines are ideal for producing automotive components, medical parts including screws and pins, as well as precision parts for electrical engineering.

Heimatec offers a comprehensive range of driven and static tools for Citizen-Cincom Swiss-type CNC Lathes. They distinguish

themselves by manufacturing long-lasting tools with the highest quality workmanship to include the best possible spindle bearing technology and ground gear components. In addition, housings and spindles have the maximum possible rigidity. This tooling program includes radial drilling and milling heads, woodruff key cutters, thread whirling tools, multiple spindle heads and adapters, plus 4x speed increasers up to 48,000 rpm.





# Multiple Spindle/Half Index

Heimatec manufactures a complete range of tools designed to maximize the capabilities of the machine tool. Multiple Spindle Live Tools, utilizing Y-axis movement, can perform multiple functions from one turret position. Half Index Static Tools allow for up to 4 boring bar or turning tools to be held in one tool holder. Dual output Live tools allow one tool to face the main and one to face the sub spindle.



## u-tec® flexible changing system

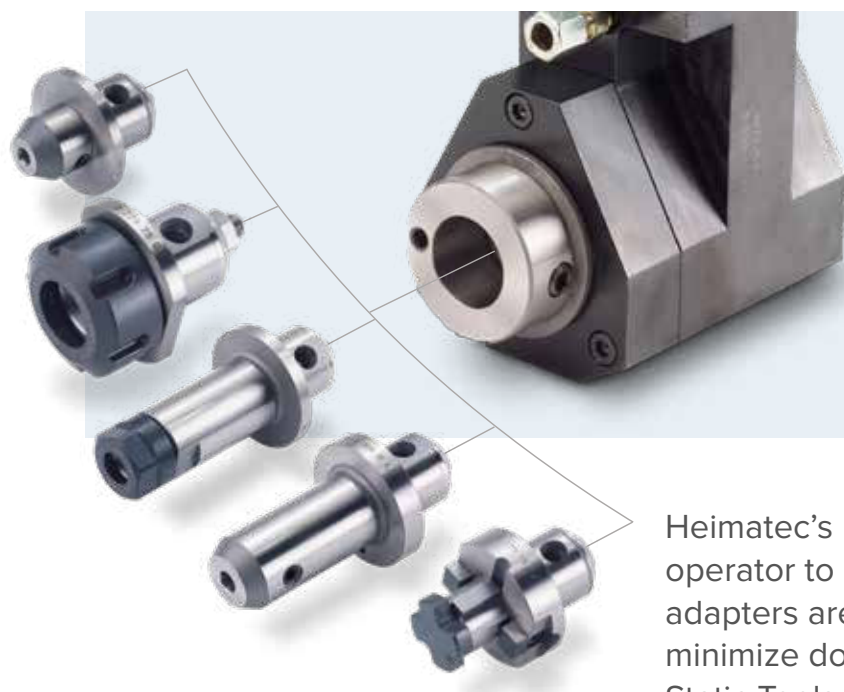
### Versatility & Cost Savings



Heimatec tools are engineered with their patented u-tec® changing system adding flexibility to standard ER output Live Tools and Angle Heads. This system allows the tools to accept various adapters for different applications. Heimatec tools are built with a polygon drive system to ensure the adapter has a solid connection for maximum performance

and accuracy. Their compact design helps keep the overall tool length down to a minimum. The best part, Heimatec's u-tec® changing system helps reduce inventory and changeover time resulting in cost savings. U-tec® inserts are available in Weldon, Arbor, and ER (extension) outputs.





## HT Quick Change System

### Quick Change Tools in Seconds

Heimatec's HT Quick Change System enables the operator to replace the adapter with one hand. The adapters are easy to pre-set outside of the machine to minimize downtime. This system is available for Live & Static Tools as well as machining center Angle Heads and offers exceptional repeatability and accuracy.

## heimatec.Capto™

The heimatec.Capto™ quick-change system is modular in design and offers improved efficiency during retooling and set up. Adapters for this flexible changing system are widely available in a variety of tool designs for both turning and machining centers. Heimatec uses original Capto® components from Sandvik Coromant for this quick-change system. Compact in design for shorter projection length, this system allows for high cutting speeds to be achieved with greater tool flexibility. Heimatec.Capto™ tools are available in sizes C3, C4, C5, C6, and C8 with optional internal coolant supply.







## Heimatec Angle Heads

# Superior Performance & Durability

Heimatec's standard and custom Angle Heads are designed and manufactured to handle the most difficult applications. They are ideal for drilling, tapping, and milling operations enhancing the machine's current capabilities. Workpiece accuracy and productivity are maximized by performing vertical, horizontal, or compound angular operations without repositioning.

Heimatec offers a variety of styles to suit your application needs. Angle Heads with compact, extended reach capabilities, slim line styles for working in small places, dual output tools for added productivity, and universal adjustable tools are all standard designs.

Most Heimatec Angle Heads are equipped with the patented u-tec® changing system for added flexibility.



Single Output - Slim Line

## Heimatec Angle Heads

- Powerful, accurate, and rigid
- Applications include milling, drilling, and tapping
- Torque rating up to 150 Nm
- Up to 1:4 gear ratio available
- Spindle speeds up to 24,000 rpm
- 360° body rotation
- Interchangeable torque arms
- Compatible with most Automatic Tool Changers



Single Output - Offset  
(external nut)



Single Output - Offset  
Slim Body



Universal +/- 90°  
adjustable Standard Duty

## Rineck Shrink Fit Holders

Rineck specializes in precision tool technology at an affordable price.

**rineck**  
• Tool Technology

Rineck, a pioneer in the Shrink Fit Tool Holder market, has been manufacturing innovative tooling solutions used around the world for over 50 years. The Rineck team, including design, engineering, and machine operators, pay close attention to even the smallest detail. All aspects of production are performed in-house and are closely monitored by Rineck's experienced staff making their quality control second to none. Their spacious production area is equipped with state-of-the-art machine technology.

Rineck Shrink Fit Tool Holders offer perfect fit and deliver strong performance over time. These holders are available in a wide range of inch and metric sizes to accommodate different lengths, shank sizes and taper options including CAT, HSK, BT, SK, PSC, and Straight Shank Extensions. For added rigidity, flange or dual contact holders are available for CAT and BT tapers.



# Shrink Fit Tool Holder Features and Options



4.5° Standard



3° Slim



3° Extra Slim



- Styles include standard 4.5°, 3° slim, and 3° extra slim
- Clamping range from Ø 3 mm to Ø 32 mm
- Sizes available from HSK 25 to HSK 160
- Produced for high accuracy with runout of 3 microns or less
- Manufactured to hold an AT3 taper tolerance
- Precision balanced to 25,000 rpm at G2.5
- Offered in metric and inch sizes
- Dual Contact available
- Options for coolant jets or slots
- Length adjusting screws standard with most holders
- Custom tools available upon request

# Rineck Shrink Fit Tool Technology

Rineck's Induktherm Rapid Shrink Fit Machine Technology is both innovative and ergonomic. The machine is equipped with an elevation cooling system that allows the heated tool to be moved to a cooling tank with a push of a button. The machine's smart design keeps accessories stored but close at hand during operation.

Induktherm Rapid Shrink II VCS features:

- Heating time occurs between 3 – 9 seconds
- For use with HM tools with shafts of Ø 3 to Ø 32 mm and HSS tools of Ø 6 to Ø 32 mm
- Designed for safe and easy operation
- Cooling time varies between 15 and 50 seconds depending on tool mass

## **Induktherm**

Rapid Shrink II VCS  
+ Elevator Cool Technology





Henninger Spindle Speeders help to extend the life of the machine tool by minimizing the stress on the spindle. This added speed allows the cutting tool to run at its recommended rpm resulting in optimal performance.

## Henninger Speeders

Henninger Speeders offer a lower cost option for increased rpm when the purchase of a new machine just isn't in the budget.



## Henninger Mechanical Speeders

Henninger offers Mechanical Spindle Speed Increases with gear ratios up to 1:8 and a maximum speed of 50,000 rpm. These tools are designed to help maximize productivity and allow for less wear and tear on the machine spindle in cases where it is not necessary to run at its maximum rpm. Ideal for drilling, milling, engraving, and grinding applications. Tight tolerance can be held with a maximum runout of .01 mm (10 microns).

These are modular in design with a variety of tool connections (shanks) and output sizes up to CAT 50 with 65 hp. Many speeders have automatic tool change capabilities to minimize machine downtime.

Internal coolant and high torque tools are also available.



Type 832



Type 852

## Henninger Air Speeders

Henninger Air Speeders are engineered for continuous drilling, milling, engraving, and grinding with operation up to 80,000 rpm. With constant air supply to prevent heat buildup, these tools are ideal for longer duty cycles and ensure optimum operation of small cutting tools. Air can be supplied either laterally or through the pull stud.

Available in all common machine connections (shanks) and an ER 11 output, these tools are ideal for holding small tool shanks up to Ø 7mm (.275"). Longer tool life will be achieved due to a maximum runout of .005mm (5 microns).

Henninger Air Speeders are lightweight and can be used in the automatic tool changer depending upon the air supply method. These tools are permanently greased to provide maintenance free operation.

## Henninger Motor Speeders



Type 940/058

Henninger offers a variety of Motor Speeders with designs up to 80,000 rpm and 20 hp. These high-speed tools are water cooled and can perform many operations such as drilling, milling, grinding, and engraving. In addition, Motor Speeders can function independent of the machine spindle to create a test bench.

Custom Motor Speeders can be built to suit a variety of requirements. Available with all common machine connections (shanks) and outputs up to and including HSK-40E. Optimal performance of your cutting tool can be achieved due to a maximum runout of .005mm (5 microns).

## Custom Angle Heads

With more than 600 Custom Angle Heads already engineered and produced, Henninger can solve your toughest application challenges. A variety of special features are available including arbor output, HT quick change, internal coolant, oil mist lubrication, and air sealing. In addition, tools with "Hirth" coupling for 4x/8x 90° indexing, machine specific flange, or 3-point support systems are available. Dual output for increased productivity and automatic C-axis adjustment features are also possible.



## QUICK Knurling & Marking Tools

### Quality, Precision & Stability



Hommel + Keller, a global leader in high-end Knurling and

Marking Tools, manufactures the QUICK brand with a combination of function and innovation. Quality, precision, and stability are the key principles used in making the QUICK tool technology a success.

QUICK is used wherever absolute precision and first-rate surface quality are needed. Knurling and Marking Tools are commonly used on a variety of products

including medical and dental instruments, watches, fishing gear, windshield wiper shafts, barbells, screwdriver bits, fittings and connectors, plus welding and cutting equipment.

Quick tools are easily incorporated into the machining process eliminating the need for a secondary operation. These tools are available for use on a wide range of workpiece diameters including small tools for Swiss-type lathes.



#### FORM KNURLING

- Knurling is possible anywhere on the workpiece
- All knurling shapes and profiles can be produced
- Knurling is possible up to workpiece shoulder
- Suitable for front/face and internal knurling
- Cold forming of workpieces resulting in “chip free” process



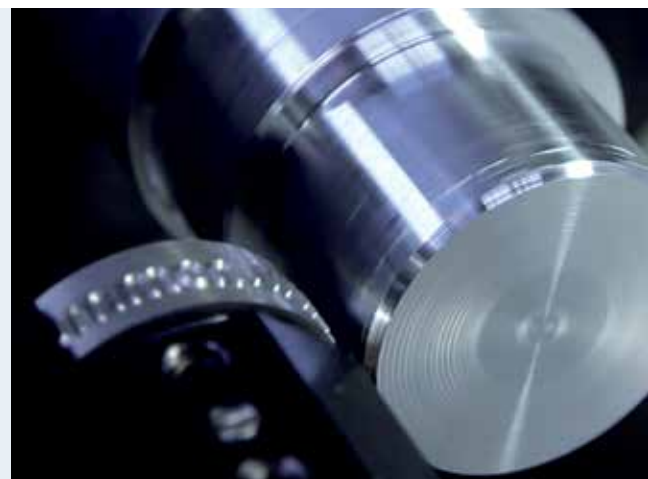
#### CUT KNURLING

- Ideal for challenging visual knurling
- Time savings due to faster cutting speed and feed rate
- Suitable choice for knurling workpieces with small diameters
- Able to handle thin-walled workpieces plus soft or difficult to machine materials
- Zero or minimal alteration to workpiece diameter



## QUICK Marking Tools

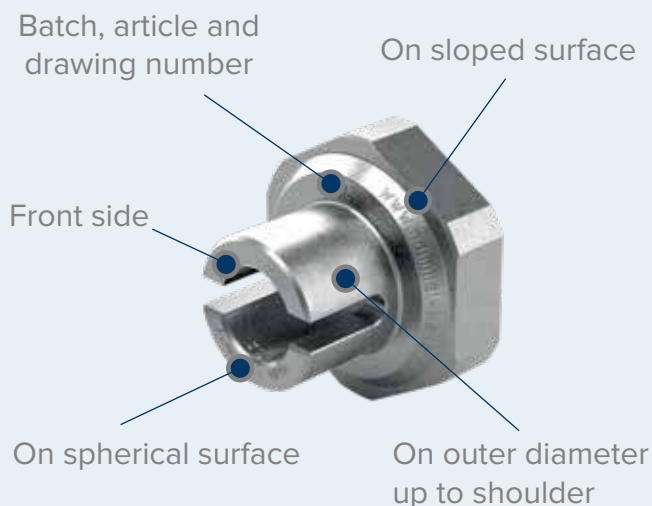
### Marking the most difficult workpiece geometries with ease



Save time and money with QUICK Marking Tools from Hommel + Keller. This modular part marking system makes it possible to reduce marking time by 85% in comparison to laser marking.

#### QUICK Marking Tools offer many features and benefits:

- Easy to use
- Marks workpiece in seconds
- Spring-return design for “quick return” to starting position
- Single machine set-up eliminates the need for a secondary operation
- Interchangeable and customizable marking segments
- Mark on a variety of workpiece surfaces
- Tools are available in two sizes



## Tecnicrafts

# Collets & Guide Bushings for Swiss Machines



## tecnicrafts®

Tecnicrafts offers a wide range of Collets and Guide Bushings suitable for most Swiss-style machines. All Collets and Guide Bushings are available in standard and ultra-precision grades with a runout accuracy of 5 microns or less. Bore profiles include round, square, hexagon, rectangle, and custom. Each part undergoes a

specialized heat treatment process to ensure more consistent performance

Tecnicrafts quality control includes 100% inspection prior to shipment. In addition, all Collets and Guide Bushings are chamfered in the back bore and slit to provide smooth guiding and unwanted marks.

# Tecnicafts Collets



- Smooth bores for use on ground stock and small diameters
- Grooved bores designed for stronger gripping force
- Serrated bores to achieve maximum gripping force
- Long Nose Collets offered in both straight and tapered style
- Over-grip/Step collets/Special profile bores manufactured per customer's specifications
- V-line slots are ideal for holding profiles other than round and additionally to help keep contamination out and prevent unwanted marks
- Brass guides to support small diameter material
- Keyways on the cone or guiding diameter for alignment purposes



Long Nose Tapered



V-line



Hex

## Tecnicrafts Guide Bushings



Tecnicrafts uses specialized carbide for maximum wear resistance and to avoid chipping. A special brazing process is used to ensure long term reliability. Special care is taken to realize the smoothest bore finish in the market.

- U-line slots are ideal for holding profiles other than round and additionally to help keep contamination out and prevent unwanted marks
- Extended carbide (max land) available up to 75mm
- Tapered Long Nose Guide Bushings are available
- Standard and custom profile shapes including square and hex
- Reinforced shank optional for enhanced stability
- Brass guides to support small diameter material



Max Land



U-line



Square



# Tecnicrafts

## Alternative Collets for Workholding

W-type Collets for use in CNC cutter grinders are available in standard and long nose versions with ultra-precision up to 5 microns accuracy.

Tecnicrafts offers 5C, 16C, and 3J Collets in standard and custom sizes. Emergency Collets are also available.

Single and double ended Straight Shank ER Collet Chucks can be supplied in a variety of lengths. These holders are offered in both metric and inch sizes.

Bar Feed Collets can be produced with external thread, internal thread, and pin styles.



5C Collet



W-type Collet



ER Collet Chuck



Bar Feed Collets

## Dunner Guide Bushings

Dunner manufactures bronze, ceramic, & titane (Meehanite®) guide bushings to meet your machining needs. All guide bushings are ready for machine use with finished internal surfaces and geometries designed to offer the best result with nominal size material. These guide bushings are available in standard, ultra-precision, and ultimate ultra-precision.

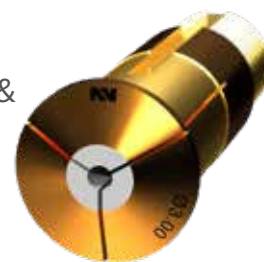
### Titane/Meehanite®

- Minimizes part marking
- Excellent compromise between coefficient of friction & wear



### Ceramic/NewSurf®

- Specifically designed for titanium, stainless steel, & other difficult materials
- Offers one of the lowest friction coefficients on the market



### Bronze

- Suitable for all non-copper materials
- Most cost-effective material to prevent marking on the workpiece



**DUNNER**  
SWISS TOOLING PRODUCER

## DunnAir Adaptive Guide Bushing System

The DunnAir Adaptive Guide Bushing System is designed to replace the original Guide Bushing supplied by the machine builder. This easy-to-use system adds flexibility and consistency to the machining process.



### DunnAir System Advantages:

- Eliminates the need for ground stock
- Fine adjustments are no longer necessary; DunnAir is self-adjusting and more consistent
- The DunnAir system offers 4 different positions giving you more flexibility and control
- The bushing has a clamping range of 0.5 mm (0.020") to accommodate material variance and eliminate downtime
- DunnAir is controlled by the CNC

# REV Broaching Tools

## Motorized & Static Broaching Solutions

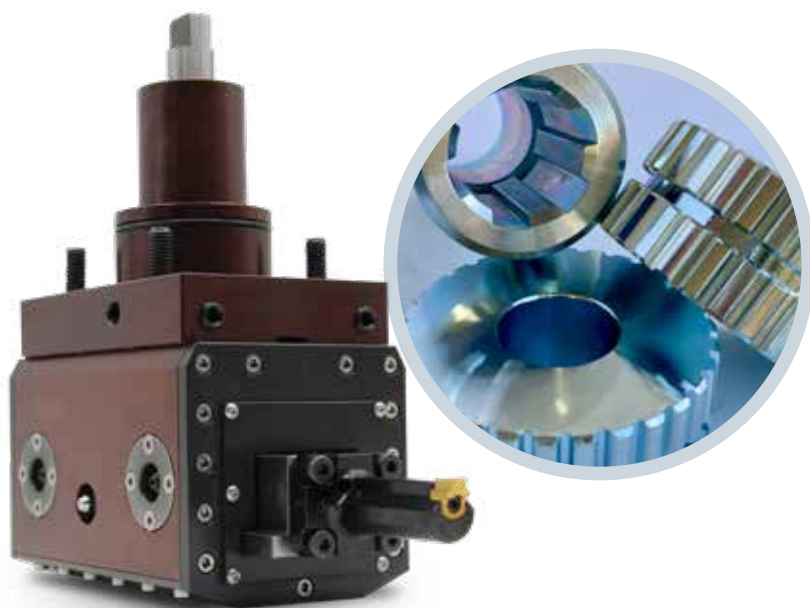


REV designs and manufactures innovative broaching solutions for CNC Lathes and Machining Centers. These tools are ideal for machining simple keyways or internal and external profiles, both teeth and spline. Common profiles including square and hexagon are easily achieved and custom profiles are available.



### Motorized Broaching for Live Tool Lathes

- Fast and efficient processing with a single machine set-up
- Designed for maximum rigidity, long insert life, and excellent finish
- Ideal for higher production runs
- Easy to install
- Y-axis Adjustment
- Cutting Angle Adjustment on Z-axis



### Static Broaching for CNC Lathes and Machining Centers

- For use on CNC lathes with or without Y-axis
- Patented eccentric bushing makes broaching possible without Y-axis
- Designed to be clamped in a boring bar holder on CNC lathes
- Sturdy two piece construction (insert and insert holder)
- Designed to be clamped in a collet chuck or Weldon holder for machining center applications
- Ideal for smaller runs





16 E. Piper Lane, Suite 128  
Prospect Heights, IL 60070

phone: (847) 749-0633

email: [info@platinumtooling.com](mailto:info@platinumtooling.com)

[www.platinumtooling.com](http://www.platinumtooling.com)

