



**ULTIMATE PERFORMANCE**  
WHEN NOTHING BUT THE BEST WILL DO

PREMIUM MILLING, TURNING AND  
HOLEMAKING SOLUTIONS

# CUSTOM ROUND TOOLS

GWS Tool Group offers a full range of high performance carbide cutting tools.

## FORM TOOLS

Strong solid carbide and coatings for longer tool life

## STEP DRILLS

Multiple steps for unique applications

## STEP REAMERS

Tight tolerances

## MICRO-TOOLS

Rapid prototyping

Collaboratively designed for optimal results



Explore micro tools

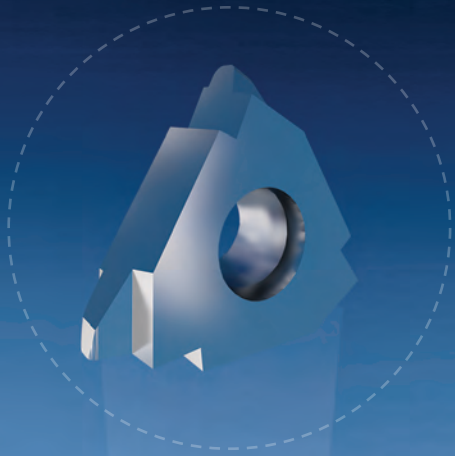


Order Online or email our sales team at [Sales@GWSToolGroup.com](mailto:Sales@GWSToolGroup.com)

[www.GWSToolGroup.com/inserts](http://www.GWSToolGroup.com/inserts)



# CUSTOM INSERT TOOLING



## THREAD WHIRLING

Precise geometries make GWS thread whirlers leaders in high performance single-point threading.

- | Single Pass Threading
- | Shorter cycle times
- | Multiple cutting edges

## PCD TIPPED

Non-ferrous material applications including intricate form tools

## HIGH PERFORMANCE CBN

For hard turning, grooving & milling

## CARBIDE & CERAMIC

Inserts for any application

## RECONDITIONING/ DOWNSIZING

Cost savings in high production applications



# ECO-DRILL

## EVERY CUT OPTIMIZED

Honed cutting edges offer improved durability and chip formation. Surface conditioned flutes for superior chip evacuation

**ECO-Drill** Coolant fed and coated for multi-purpose applications, optimized for high-volume machining

**ECO-Drill GP** Solid carbide and coated for multi-purpose applications.

**ECO-Drill+** Coolant fed with advanced coating for extreme drilling applications

Explore ECO



Coolant through design available for deep hole applications

# PACREAMER

## PRECISE ACCURATE CONCENTRIC

This replacement for chucking reamers straightens and locates true position of dowel pin holes.

Suitable for both horizontal and vertical machining applications

The PAC Reamers unique guide pad also serves as a burnisher, allowing for substantially improved surface finishes over conventional reamers.

Explore PAC



Available in fractional & metric sizes



# HURRIMILL

HIGH PERFORMANCE STEEL CUTTING

## The Hurrimill excels in harder, tougher stainless and super alloys

- Unequal indexing and variable helix reduces or eliminates chatter
- High performance cutting geometries allow for faster material removal rates
- nACo coating increases performance and extends tool life

### ALSO AVAILABLE:



**Hurrimill Cat3 INC**  
Inconel



**Hurrimill Cat4 RF**  
Rougher/Finisher



**Hurrimill Ball Nose**  
Hurrimill Tools with  
Ball Nose Option

CAT 4



CAT 5



CAT 7







# ALUMIGATOR

HIGH PERFORMANCE ALUMINUM END MILLS


The Alumigator is an aluminum cutter that chomps the competition

- 3 to 4 times faster than traditional aluminum cutting endmills
- Strong core and highly engineered cutting edges, produces an extremely tough cutter

## AST

Exceptional performance in **slotting, pocketing, and profile milling**



Reinforced corner  increases tool life & reduces part lift



## AFT

**Aggressive finishing** on profile and bottom while maintaining a superior **surface finish**




Remarkable in thin wall and bottomed parts



## ART

**Ramps into pockets** at speeds and ramp angles surpassing industry standards



 45° ramp angle, so you can reach the bottom of the pocket faster



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# PYSTL



## THE PYSTL 38 HELIX SERIES

The PYSTL excels in Titanium and Gummy Stainless materials

- | ALCROMAX coating for the perfect balance of wear resistance, lubricity and toughness
- | Eccentric relief and highly engineered honed cutting edge prevents premature edge wear & break in chatter

### 438

Eccentric ground OD  
with edge protection



### 538

5 Flute Variable Index



### 738

Profile & peripheral  
cutting only



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**CUSTOM COMES STANDARD**