

# PAC REAMER

Precise  
Accurate  
Concentric

- Coolant through design available for deep hole applications
- Replacement for chucking reamers
- Straightens and locates true position of dowel pin holes
- Custom sizes available upon request
- Suggested speeds and feeds supplied
- Suitable for both horizontal and vertical machining applications

The PAC-Reamer's unique design prevents it from wandering. This eliminates the need to qualify a drilled hole's straightness prior to reaming.

The conventional reaming process requires:

- drilling
- circular interpolating using an end mill
- reaming to finish size

The PAC-Reamer eliminates a step...

- Simply drill .02/.03" undersize
- Follow with a PAC-Reamer and you're done!

Designed to burnish while reaming, the PAC-Reamer achieves a mirror-like micro-finish!



Alliance CNC is the only authorized manufacturer of the PAC-Reamer. Developed cooperatively with one of our leading customers, it is patent protected and available only through our online store or one of our trusted distributors.

Visit [alliancecnc.com](http://alliancecnc.com) for available sizes and additional information.

AllianceCNC  
3987 Brocton SE suite A  
Kentwood, MI 49512  
p. 616.971.4700  
f. 616.971.4786  
[www.alliancecnc.com](http://www.alliancecnc.com)



# ECO DRILL

Every  
Cut  
Optimized

140° Point,  
5xØ Carbide,  
High Performance Drills

- Available in fractional and metric sizes
- Surface conditioned flutes for superior chip evacuation
- Honed cutting edges offer improved durability and chip formation
- Three designs to meet your specific needs:

**ECO-Drill GP** Solid carbide, coated for multi-purpose applications, balancing cost and performance

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

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

Utilizing the same design and inspection techniques that have added proven cost-per-cut value to our custom specials, Alliance CNC has engineered our first line of Standard High Performance Drills...the ECO-Drill!

The ECO-Drill line offers the same high-end quality of our custom specials at a standard tool price. Our unmatched batch consistency allows us to regrind all of our ECO-Drills to original specs, which means your regrind ECO-Drill will perform just like new at a fraction of the cost.



All catalogue tools are in stock with a rapid turnaround on regrinds. Alliance CNC is ready to provide your standard tooling needs. The ECO Drill is only available through our online store or one of our trusted distributors.

Also, *our ECO-Drill works well with our PAC-Reamer for an easy 2-step process* that's ideal for close tolerance, round-hole applications that require a micro-finish.

Visit [alliancecnc.com](http://alliancecnc.com) for available sizes and additional information.

AllianceCNC  
3987 Brocton SE suite A  
Kentwood, MI 49512  
p. 616.971.4700  
f. 616.971.4786  
[www.alliancecnc.com](http://www.alliancecnc.com)



# MICRO TOOLING

“Total Customer  
Satisfaction through  
Tooling Excellence”

- Swiss Precision manufacturing
- Rapid prototyping
- Collaboratively designed for optimal results
- Short-run orders



SWISS  
PRECISION

Utilizing Swiss technology and materials combined with our extensive expertise, Alliance CNC produces Swiss precision micro tooling in the USA.

#### **Rollomatic P5**

Using balanced wheels and a unique peel-grinding technique, our Swiss-made Rollomatic P5 machine is capable of holding diameters within a 5 micron tolerance. The optimum surface finishes produced result in increased tool life of micro tooling.

#### **TTB**

Alliance CNC maintains unparalleled repeat accuracy when grinding even the smallest tooling. Hand assembled in Switzerland, our highly



accurate and precise TTB machines utilize hydrodynamic technology to guarantee movements of less than 0.0004 mm.

- Rapid prototyping
- Collaboratively designed for optimal results

AllianceCNC  
3987 Brocton SE suite A  
Kentwood, MI 49512  
p. 616.971.4700  
f. 616.971.4786  
[www.alliancecnc.com](http://www.alliancecnc.com)

Visit [alliancecnc.com](http://alliancecnc.com) for available sizes and additional information.

