



PCD Tooling

# PCD Tooling

Star SU Neher produces high performance PCD tools that are engineered to customer requirements. Our wide range of PCD products include Circular Milling Tools, Face Milling Tools, Combination Tools, Counterbore Tools, Precision reamer / multi-step reamers and PCD drills.

Our PCD products can be applied to all types of non-ferrous materials such as; Aluminum, Magnesium, Copper, Brass, Wood, Graphite, Fiber Glass and many more.



## PCD Precision Reamers

Star SU Neher designs and builds precision helical and straight flute PCD reamers, available in carbide and steel body monoblock styles. All tools are manufactured specifically to meet custom design requirements.

Our multi-fluted, fixed pocket PCD precision reamer technology is proven to produce excellent bore roundness, surface finishes, and size control. These PCD precision reamers are available with multiple diameters to ensure optimum concentricity, straightness, and bore location.



PCD Precision Reamers

## PCD Drills

PCD drills from Star SU/Neher increase part quality with over all consistency, improved surface finish, and less tool changes, resulting in an extended tool life. The PCD drills are available in multi-step and are made to custom lengths and diameters.



PCD Drill



Combination Tooling

## PCD Combination Tooling

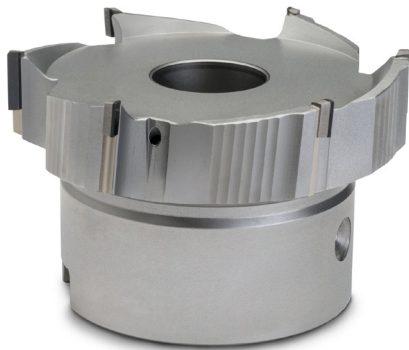
Star SU/Neher engineers and manufactures high quality combination PCD tools designed to meet or exceed custom requirements. Our combination tools are engineered to provide customers:

- Reduced cycle time
- Reduced number of tools needed
- Increased magazine capacity
- Improved concentricity and form accuracy

As an example the shown combination threadmill was specially designed to drill, ream, spotface and threadmill all in one tool.

## PCD Milling Cutters

Fixed Pocket Milling Cutters are engineered to machine both high and low silicon aluminum. Our standard and special design cutters allow for the maximum number of cutting teeth compared to indexable cutters allowing for reduced cycle times.



Milling Cutter (bottom view)

Milling Cutter (top view)



## PCD Deep Pocket Side Mill

Our special designed combination PCD Deep Pocket Side Mills feature coolant holes sized and placed for optimal performance. Additionally, the tools are equipped with replaceable PCD Face Mill technology, which allows the reconditioning worn PCD's, keeping the overall piece price down for the life cycle of our product.





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