

**HOLE SIZE & FINISH ARE CRITICAL WHEN CYCLE TIME IS CRUCIAL**



**S.C.A.M.I.® ALVAN®**  
**REAMERS**

## HIGH PERFORMANCE REAMING SOLUTIONS



In addition to producing close tolerances and dimensional accuracy of machined holes, our high-performance reaming products provide lower costs per hole through high penetration rates, making them the ideal choice for finishing holes in a production environment.

### **ALL PRODUCTS FEATURE:**

- ▶ Central and/or radial through tool coolant
- ▶ Carbide, cermet, or PCD cutting teeth
- ▶ Application-specific coatings and geometries
- ▶ Straight, left-hand helix, or right-hand helix cutting teeth
- ▶ Through-hole and blind-hole options
- ▶ Compatibility with S.C.A.M.I.® modular shanks to maximize tool life and performance

### **MODULAR SHANKS**

- ▶ Rapidly mitigate runout
- ▶ Drastically increase tool life and reamer performance
- ▶ 4-point adjustment virtually eliminates tool runout created by machine spindle
- ▶ Up to 0.0079" (0.20mm) radial compensation

Modular system courtesy of CERIC



### **MONOBLOC STYLE**

**Ø 0.2283" - 1.2638" (5.80 - 32.10mm)**

- ▶ Ideal for hole diameters under 0.3780" (9.60mm)
- ▶ Features expandable diameters and cylindrical shanks
- ▶ Arrives set to diameter
- ▶ Reconditions are available upon request for diameters greater than 0.2992" (7.60mm)



## REPLACEABLE HEAD STYLE

### 5000 SERIES

Ø 0.3780" - 1.2835" (9.60 - 32.60mm)

- ▶ Features expandable diameter heads
- ▶ Heads arrive set to diameter
- ▶ Twist-lock heads drastically reduce downtime when replacing heads
- ▶ Available with modular or cylindrical shanks



### 9000 SERIES

Ø 0.4646" - 1.5984" (11.80 - 40.60mm)

- ▶ Features fixed diameter heads
- ▶ Heads arrive set to diameter
- ▶ Quick-change heads require minimal downtime for replacement
- ▶ Most accurate repeating product from head to head change
- ▶ Available with modular or cylindrical shanks



### 7000 SERIES

Ø 0.4646" - 3.1732" (11.80 - 80.60mm)

- ▶ Features both expandable and fixed diameter heads
- ▶ Available with modular or cylindrical shanks
- ▶ Reconditions are available upon request



## CUTTING RING STYLE

Ø 0.6929" - 7.8972" (17.60 - 200.59mm)

- ▶ Ideal for hole diameters over 3.1732" (80.60mm)
- ▶ Features expandable diameter rings
- ▶ Available with modular or cylindrical shanks
- ▶ Reconditions are available upon request

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Allied Machine offers expert engineering support. Whether you need a quote, a test, or an application solution, a highly skilled and trained engineer is standing by, ready to help.  
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 **ALLIED MACHINE  
& ENGINEERING**

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