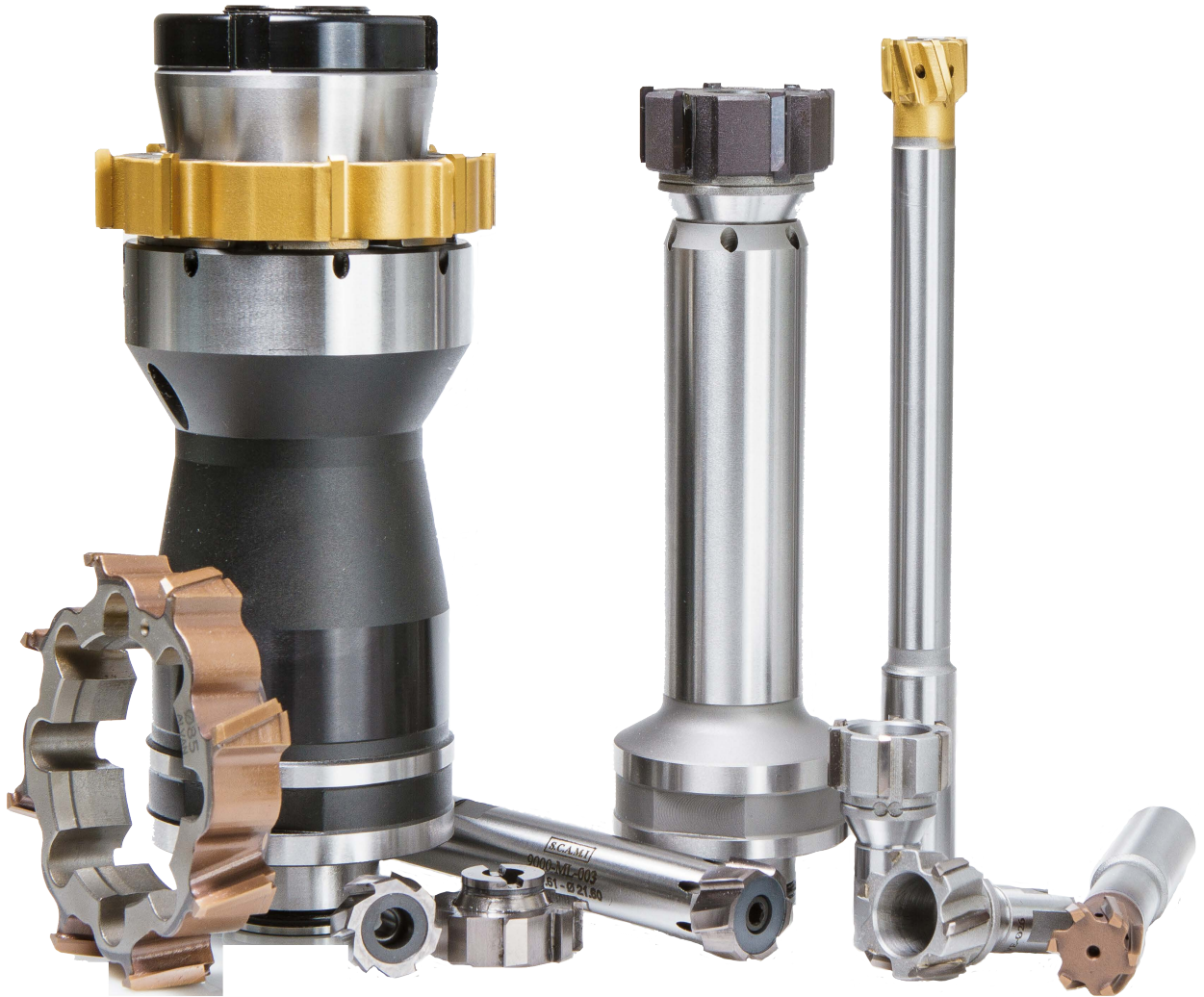


**S.C.A.M.I.**<sup>®</sup>

**ALVAN**<sup>®</sup>



# **HOLE FINISHING & FINE FINISHING**



**INTEGRAL EXPANDING REAMERS**



**DIAMETER RANGE:** 5,80 ÷ 32,10 mm

**SERIES:** 2441 - 2431 - 3620 - 3610

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**SHANK:** Cylindrical

**GEOMETRY:** Straight flutes / Helical flutes

**TYPE:** Hard Metal / Cermet / PKD  
Coated or uncoated

**5000 SERIES**



**DIAMETER RANGE:** 9,61 ÷ 32,60 mm (available)  
32,61 ÷ 40,60 mm (on request)

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**SHANK:** Cylindrical or composit

**GEOMETRY:** Straight flutes / Helical flutes

**TYPE:** Hard Metal / Cermet  
Coated or uncoated

**7000 SERIES**



**DIAMETER RANGE:** 11,80 ÷ 80,60 mm

**SERIES:** Short / Long

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**SHANK:** Cylindrical or composit

**GEOMETRY:** Straight flutes / Helical flutes

**TYPE:** Hard Metal / Cermet  
Coated or uncoated

## EXPANDING REAMERS WITH CUTTING RINGS



**DIAMETER RANGE:** 17,60÷32,59 mm (on request)  
32,60÷200,59 mm (available)

**SERIES:** Short / Long

**MANDREL :** Cylindrical  
Modular composit

**GEOMETRY:** Straight flutes / Helical flutes

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**TYPE:** Hard Metal / Cermet / PKD  
Coated or uncoated

## SINTERED SOLUTION

## TSA System



**DIAMETER RANGE:** 11,80÷40,60 mm

**SERIES:** Short / Long

**MANDREL :** Cylindrical  
Modular composit

**GEOMETRY:** Straight flutes  
Left or right hand helical flutes

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**TYPE:** Hard Metal / Cermet  
Coated or uncoated

## DRS SYSTEM



**SURFACE FINISH:** Ra 0,05÷0,15  $\mu$

**NOTE:** - Single roller tools with diamond tip  
- For super finishing materials with hardness up to 65 Hrc  
- Available with radius 0,8 - 1,2 or 2 mm

## ROLLER BURNISHING TOOLS FOR FINE FINISHING



**SURFACE FINISH:** Ra 0,2  $\mu$  on high ductility materials  
Ra 0,4  $\mu$  on low ductility materials

**DIAMETER RANGE:** Internal burnishing tools for through holes  $\varnothing$  3,95÷300,90 mm (bigger diameter on request)  
Internal burnishing tools for blind holes  $\varnothing$  5,89÷300,90 mm (bigger diameter on request)  
External burnishing tools  $\varnothing$  2,74÷95,35 mm (bigger diameter on request)

**S.C.A.M.I. Snc**

Via Lancia 13 - 10040 Zucche di Volvera (TO) - ITALY

tel. +39 11 9906991 - scami\_to@libero.it

www.scami-alvan.com