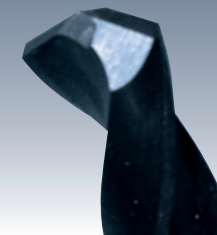
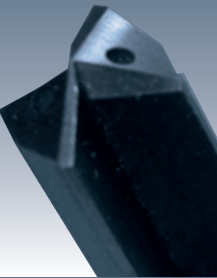
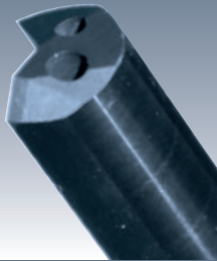


## 5 AXIS DRILL GRINDING CENTER

CAPACITY Ø 1 TO 8 MM (OPTIONAL 2 TO 14.5 MM)



### ADVANTAGES

- **COMPACT, PLUG AND PLAY**

Size: 1.4m x 1.2m x 1.5m. (4.6ft x 3.9ft x 5ft)  
Weight: 1000 kg (2200lb)

- **EASY TO USE, IDEAL KINEMATIC**

Intuitive and friendly HMI software  
Direct access to the grinded tools collecting basket  
Reliable and proven process

- **AUTOMATIC AND AUTONOMOUS**

Effortless and unique gravity loading system  
Up to 90 successive grinded tools  
Low maintenance costs



#### AVYAC MACHINES

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# NC18

## TECHNICAL DATA

### Technical characteristics

<b>Dimensions</b>	1.4m x 1.2m x 1.5m (4.6ft x 3.9ft x 5ft) – Weight 1000 Kg (2200lb)
<b>Colors</b>	Red RAL 3020, dark Grey RAL 7012 and light Grey RAL 7035
<b>Tool clamping</b>	Pneumatic automatic (W12 / W20 Collets)
<b>Wheels</b>	Ø 100 mm (3.9") - CBN or diamond
<b>Electro Spindle</b>	Power 2.2 kW -3000 to 9000 rpm
<b>Coolant system</b>	Emulsion or oil – 63L/min pump
<b>CNC controller</b>	B&R Automation with touch screen (optional Siemens 840D SL)
<b>Servomotors</b>	Synchronous motors with absolute coders
<b>Tool indexing</b>	Marposs 3D sensor

### Drills grinded

<b>Tools size</b>	Ø1 to 8 mm (0.04" to 0.3") – Optional Ø2 to 14.5 mm (0.078" to 0.55")
<b>Maximum length</b>	320 mm (12.5")

Right or left hand helix drills with conic relief or rakes, Gundrills 1 or 2 flutes, sheet metal drill, flat drill, center drill, step drill, engraving tool, end mill, woodworking drill, special tools\*

\* please contact us for capability and test

### Main Options

<b>Siemens CNC Controller</b>	Instead of the B&R configuration, SIEMENS Sinumerik 840D SL with touch screen system
<b>Extra capacity with W20 Collets</b>	Machine available for Ø2 to Ø14,5 mm tools (0.078" to 0.55")
<b>Gravity loading and unloading system</b>	Using the circular tray (Shapes and holes customizable) and unloading basket
<b>Oil filtration system</b>	Filter with 5µm or 20µm cartridge (Soluble or whole oil) Integrated in the machine and PLC controlled
<b>Automatic fire-extinguisher</b>	Fire protection recommended for whole oil only
<b>Transformer</b>	For specific electrical networks in the world, integrated in the machine

AVYAC MACHINES REPRESENTATIVES IN GERMANY AND IN USA

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