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
### Technical characteristics

**Dimensions**
1.4m x 1.2m x 1.5m (4.6ft x 3.9ft x 5ft) – Weight 1000 Kg (2200lb)

**Colors**
Red RAL 3020, dark Grey RAL 7012 and light Grey RAL 7035

**Tool clamping**
Pneumatic automatic (W12 / W20 Collets)

**Wheels**
Ø 100 mm (3.9”) - CBN or diamond

**Electro Spindle**
Power 2.2 kW -3000 to 9000 rpm

**Coolant system**
Emulsion or oil – 63L/min pump

**CNC controller**
B&R Automation with touch screen (optional Siemens 840D SL)

**Servomotors**
Synchronous motors with absolute coders

**Tool indexing**
Marposs 3D sensor

### Drills grinded

**Tools size**
Ø1 to 8 mm (0.04” to 0.3”) – Optional Ø2 to 14.5 mm (0.078” to 0.55”)

**Maximum length**
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

**Siemens CNC Controller**
Instead of the B&R configuration, SIEMENS Sinumerik 840D SL with touch screen system

**Extra capacity with W20 Collets**
Machine available for Ø2 to Ø14.5 mm tools (0.078” to 0.55”)

**Gravity loading and unloading system**
Using the circular tray (Shapes and holes customizable) and unloading basket

**Oil filtration system**
Filter with 5µm or 20µm cartridge (Soluble or whole oil) Integrated in the machine and PLC controlled

**Automatic fire-extinguisher**
Fire protection recommended for whole oil only

**Transformer**
For specific electrical networks in the world, integrated in the machine

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**AVYAC MACHINES REPRESENTATIVES IN GERMANY AND IN USA**

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