

Machine Name : Five axis CNC tool grinder

Brand : Walter

Machine Model : HELITRONIC RAPTOR DIAMOND

Stock No. : 4813076

Ex-factory Date : 2023



Main Technical Parameters:

Three-axis travel: 460 × 320 × 660 mm

Spindle power: 11.5 kW

Spindle speed: 10,500 rpm

Linear axis rapid traverse: 15 m/min

Machining tool diameter: Ø3-290 mm

Maximum tool diameter: Ø400 mm (optional)

Maximum tool length: 270 mm

Maximum tool length: 350 mm (optional)

Maximum tool weight: 50 kg

Maximum grinding wheel diameter: Ø200 mm

Spindle interface: HSK

Spindle drive: Double-ended belt drive

Machining method: Grinding + EDM (Electrical Discharge Machining), completed in a single clamping

Applicable tools: Cemented carbide, HSS, PCD, CBN

Grinding wheel/electrode capacity: Up to 3 electrodes + 3 grinding wheels, or up to 6 grinding wheels

CNC system: WALTER / UNITED GRINDING CNC

Working hours: Approximately 4,371 hours

Configuration:

Automatic loading and unloading system / robotic arm

Machining coolant system

Coolant / dielectric fluid filtration and circulation system

Tool chucks

Flanges and adapters

Grinding wheels and electrode accessories

