

Machine Name : Five axis CNC tool grinder

Brand : Walter

Machine Model : HELITRONIC MICRO

Stock No. : 813039

Ex-factory Date : 2018



Main Technical Parameters:

Axis Travel:

X-axis Travel: 400 mm

X-axis Automatic Workpiece Support Travel: 110 mm

Y-axis Travel: 320 mm

Z-axis Travel: 320 mm

Rotary Axes:

C-axis (Rotary Worktable Swivel Range): -110° to $+160^{\circ}$

B-axis (Grinding Head Swivel Range): $\pm 20^{\circ}$

A-axis (Workpiece Support): ISO 40

Workpiece Machining Capacity:

Workpiece Diameter in Production Mode: 0.1-12.7 mm

Workpiece Diameter in Regrinding Mode: 2-12.7 mm

Maximum Workpiece Length: 120 mm

Maximum Cutting Edge Length: 70 mm

Grinding Spindle Parameters:

Grinding Spindle 1 Power: 5 kW

Grinding Spindle 2 Power: 1.5 kW

Grinding Spindle 3 Power: 1.5 kW

Grinding Spindle Speed: 0-10,000 rpm (Continuously Variable Speed Control)

Electrical Specifications:

Connected Load: 18 kW

Power Supply: 400 V / 50 Hz

Machine Dimensions & Weight:

Machine Weight: Approx. 6,000 kg

Overall Dimensions (L x W x H): 2385 x 2200 x 2006 mm

Machine Color: White RAL 9003 / Iron Grey RAL 7011

Standard & Optional Equipment:

Fully Enclosed Machine Cabin

FANUC Six-axis Robot Loading and Unloading System

Integrated Camera Vision System

ToolStudio Standard & Advanced Version 3 Software

Helitronic ToolStudio Step Tools/Drills Option Package

Automatic Fire Extinguishing System
Drive Cooling Unit for All Servo Drives
Measuring Probe
Oil Drip Tray
Glass Scales on Linear Axes
Electrostatic Oil Mist Collector
Pneumatic Workpiece Clamping System
Automatic Hydraulic Steady Rest System
Vision System for Automatic Tool Blank Detection and Pre-positioning with Cooling Channel
Recognition
ISO 50 Measuring Mandrel
Three Grinding Wheel Adapters

