

Machine Name : Tool grinders

Brand : WAIDA

Machine Model : AP460

Stock No. : 810553

Ex-factory Date : 2007



Main Technical Parameters:

Grinding Wheel Specifications

Model: ASD270-1/25D30

Overall Dimensions: Diameter 350mm × Total thickness 90mm × Installation hole diameter

Grinding Wheel Size: Diameter 260mm (shared with AP-40)

Rotational Speed: 300 to 3000 min⁻¹

Control Axes

X-axis: Grinding wheel engagement

Y-axis: Grinding wheel left-right movement

B-axis: Workpiece axis rotation

C-axis: Variable angle worktable

Drive Motor: 5.5kW three-phase asynchronous motor

Grinding Wheel Forward and Backward Movement (X-axis)

Maximum Travel: 100mm

Maximum Rapid Feed Rate: 10m/min

Minimum Setting Unit: 0.0001mm

Minimum Movement Unit: 0.0001mm

Minimum Detection Unit: 0.0001mm

Drive Motor: 0.85kW AC servomotor

Grinding Wheel Left-Right Movement and Swing (Y-axis)

Maximum Travel: 100mm

Maximum Rapid Feed Rate: 10m/min

Minimum Setting Unit: 0.0001mm

Minimum Movement Unit: 0.001mm

Minimum Detection Unit: 0.001mm

Worktable Fixture - Chuck: General hydraulic cylinder, external type

Travel: 16mm

Dressing Grinding Wheel Size: External diameter 125mm × Hole diameter 42.5mm × Thickness 20mm (Straight type, 2 pieces installed simultaneously)

Dressing Grinding Wheel Speed: 300 to 1500 RPM

Drive Motor: 0.85kW AC servomotor

Workpiece Axis Rotation (B-axis)

Maximum Rapid Feed Rate: 43,200°/min (720°/sec)

Minimum Setting Unit: 0.0001°

Minimum Movement Unit: 0.001°

Minimum Detection Unit: 0.001°

Drive Motor: 0.1kW DC brushless servomotor

Workpiece Swinging and Rotation (C-axis)

Maximum Travel: -30° to +36°



