

Machine Name : Spherical grinding machine

Brand : THIELENHAUS

Machine Model : EndoStarV111

Stock No. : 810641

Ex-factory Date : 2011



Main Technical Parameters:

CNC System: MicroSens

Rotary Worktable Angle: $\pm 90^\circ$

Machining radius: 75 mm

Workpiece (spindle) rotational speed: 0-2000 RPM

Tool (spindle) speed: 1500-15000 RPM

Spindle radial (workpiece clamping direction) adjustment travel: approximately ± 5 mm

Spindle axial (workpiece length direction) feed travel: approximately 20 to 50 mm

Radial feed travel of ultra-precision grinding stone (machining tool): ≤ 1 mm

Swing travel of the ultra-precision grinding stone: approximately 5 to 15 mm

Fixture adjustment travel: Radial positioning adjustment travel of the workpiece fixture is approximately ± 10 mm

Axial positioning travel: 30 to 100 mm

Surface roughness (Ra): $\leq 0.03 \mu\text{m}$

Spherical gasket

Roundness: $2.0 \mu\text{m}$

Surface roughness (Ra): $\leq 0.03 \mu\text{m}$



