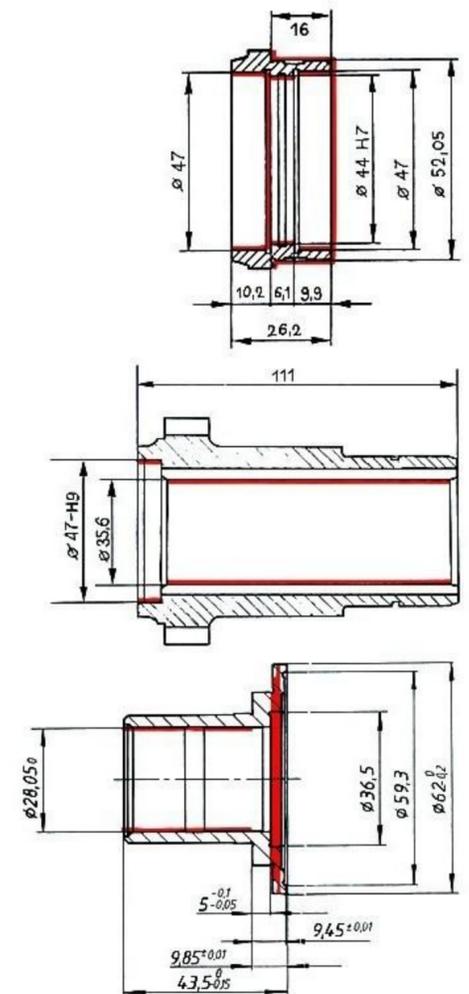




A selection of interesting applications
(single chucking only).



TST 201 CNC TST 300 CNC High-Precision Internal Grinding Centres

The Tripet TST CNC high precision internal grinding centre designed to incorporate the latest advances in grinding technology.

Main features:

- A heavy, ribbed cast-iron base, designed to allow full-length support of all slides over their entire travel.
- All slideways with greased-for-life roller bearings.
- High-precision workspindle bearings for guaranteed form tolerances of less than 0.5 μm .
- 4 kW variable speed wheelspindle motor, with solid-state frequency-converter.
- High-speed table oscillation, programmable up to 10 m/min. Hydraulic linear amplifier, roller-mounted slideways.
- Workpiece infeed for grinding and wheel dressing given by D.C. motors and ballscrews.

- Programmable working, dressing and reversing positions, with detection by rotary transducer.
- Interactive CNC system with screen diagnostics, for programming procedures to ISO, DIN 66025 and VSM 76120 recommendations.
- Five 32 KB microprocessors for axis monitoring and coordination, with possibilities for dedicated programs such as specific set-ups.
- All electronic and electrical control equipment easily accessible in separate cabinet.
- Manual remote control of all machine functions by means of servo handwheel.
- Unlimited subroutines available in standard program.
- All programs fully or partially repeatable as required.

Technical data

Grinding diameter range (production)
(on request up to diameter 225 mm – 8.9")
Grinding length
Centre height above table
Max. table travel
Workhead angular setting
Workhead spindle bore diameter
Max. weight on spindle nose
(on request up to 100 kg – 220 lbs)
Workspindle speed range, stepless
Workhead fixed speed for setting
Wheelspindle speed range
Dimensions
Net weight
Required power

TST 201 CNC

3 – 150 mm (.12" – 6")
200 mm (7.9")
162 mm (6.3")
480 mm (18.9")
+45° to –30°
40 mm (1.57")
approx. 50 kg (110 lbs)
75 – 1300 r.p.m.
75 r.p.m.
8000 – 150 000 r.p.m.
4770 × 3175 × 2155 mm
(188" × 125" × 85")
approx. 4000 kg
10 – 15 kW

TST 300 CNC

3 – 225 mm (.12" – 8.86")
200 mm (7.9")
162 mm (6.3")
630 mm (24.8")
+45° to –30°
40 mm (1.57")
approx. 50 kg (110 lbs)
75 – 1300 r.p.m.
75 r.p.m.
8000 – 150 000 r.p.m.
5210 × 3200 × 2155 mm
(205" × 126" × 84")
approx. 5000 kg
10 – 15 kW