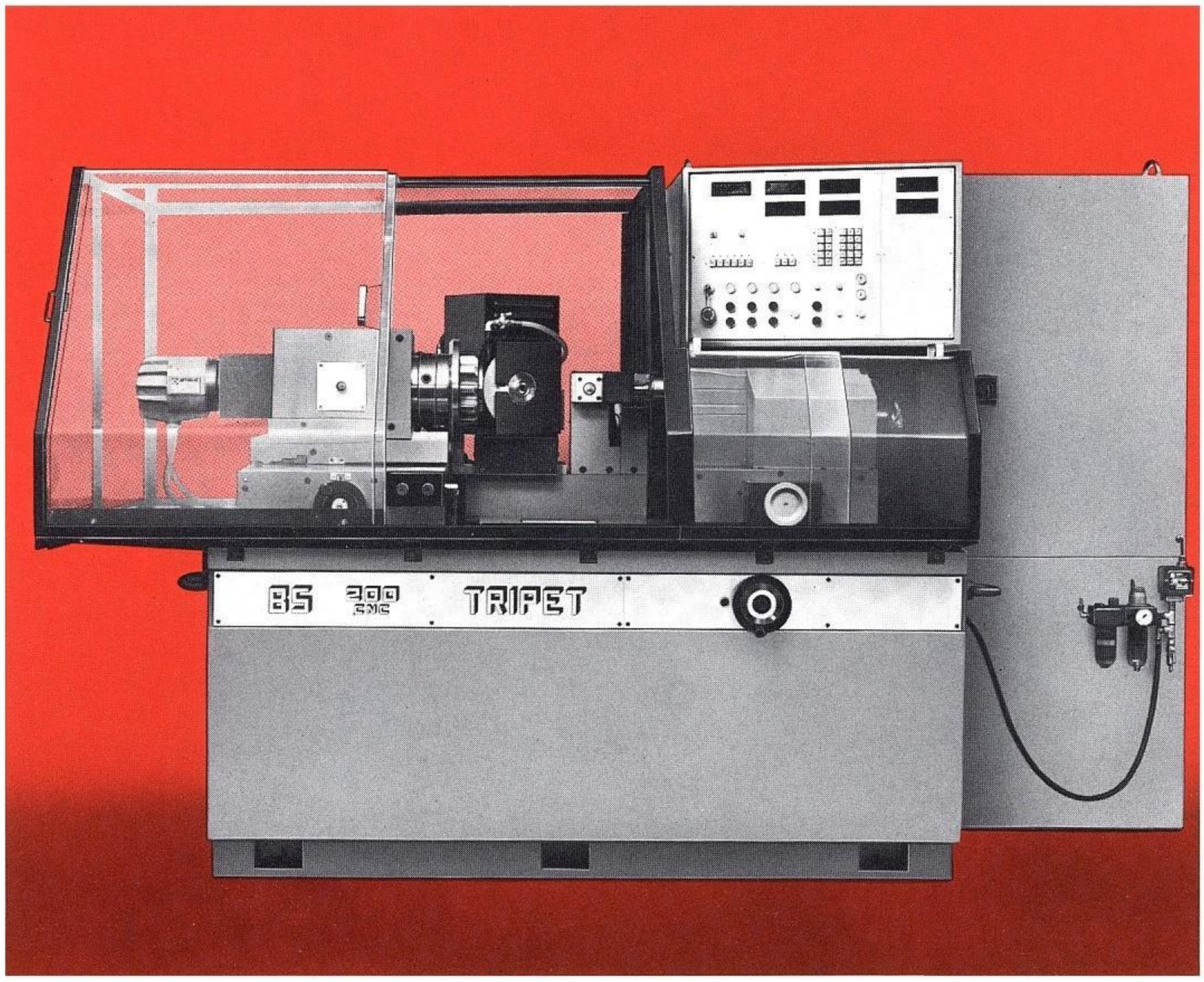
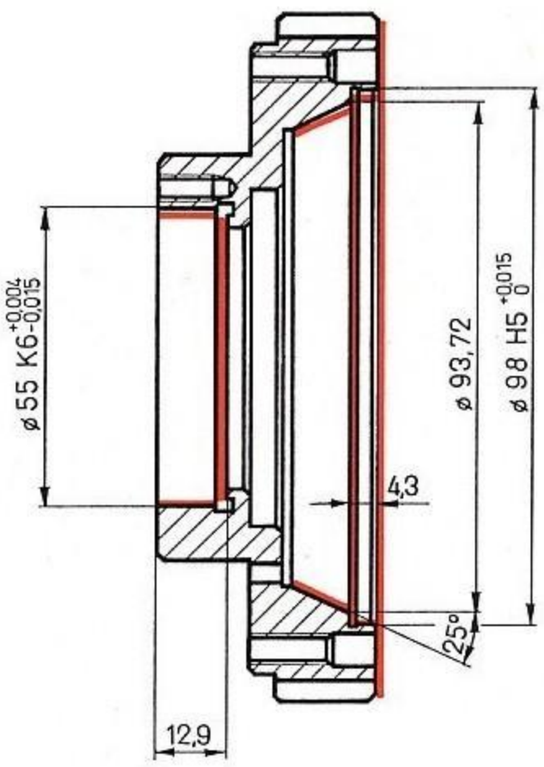
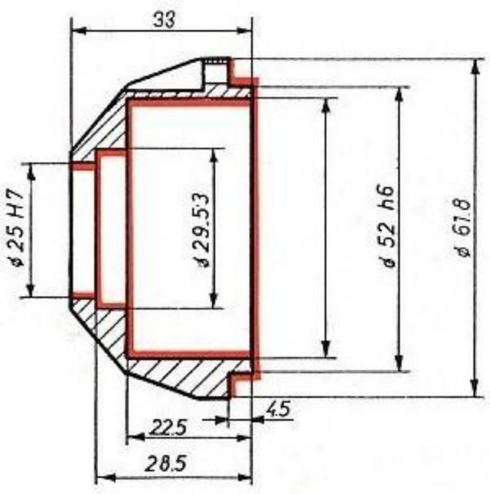
TRIPET

BS 200 CNC

www.tripet.us







Typical applications (single chucking only).

BS 200 CNC Ultra-Precise Internal Grinding Centre

This new production grinder can solve most of your problems in the range of bore sizes **3 to 120 mm** (.12" to 4.7").

Workheadstock spindle is mounted in special bearings, thus achieving roundness accuracy within one μm.

Infeed slide and compensation slide running on roller guideways.

Table runs on roller guideways, oscillation speeds infinitely variable up to 9 m/min (30 feet/min) controlled by hydraulic linear amplifier, with end coder for accurate table setting.

Headstock feed by stepping motor and ballscrew.
Wheelspindle feed towards dressing diamond by stepping motor and ballscrew.

Control system with microprocessor. Manual data input programming including facility to record pre-set programme on cassette tape.

Cycle programme with roughing, finishing and sparking-out.

Digital size correction.

Automatic compensation of wheel wear on diameter and on length when dressing.

For the solution of problems we offer:

- **Automatic grinding of stepped diameters, blind bores and tapers in one chucking.**
- Facing attachments (manual or automatic).
- Periphery face grinding attachments.
- Infeed controlled by motor load.
- Gap elimination.
- Wheel dresser for 2 or 3 sides of wheels.
- Mechanic and hydraulic clamping systems.
- Workpiece headstock PE-2 on centerless principle.
- **Automatic loading and unloading systems, etc.**

Technical data:

Grinding length	200 mm (7.9")
Grinding dia. range (high production)	3 – 120 mm (.12" – 4.7")
Centre height over slide	132 mm (5.2")
Max. longitudinal stroke	500 mm (18")
Workhead swivel	+45°/–30°
Workhead spindle bore	40 mm (1.57")
Max. weight on spindle nose	50 kg (110 lbs)
	(upon request up to 100 kg) (220 lbs)
Grinding spindle speeds	8000 – 150 000 r.p.m.
Wheel spindle motor	4 kW

www.tripet-tst.com

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