

TFG 150

HIGH PRODUCTION SURFACE GRINDING (THRU-FEED GRINDING)



WORK PIECES UP TO
152 MM W × 152 MM H × ANY LENGTH



SIMULTANEOUS GRINDING OF PARALLEL SURFACES

- ✓ Self dressing wheel requires no conditioning or forming
- ✓ Wide variety of part configurations suitable for operation
- ✓ High kW per cm² in a self contained and monitored system
- ✓ Steel weldment with vibration dampening system
- ✓ For easy set-up from part to part
- ✓ Easy menu driven controls with step-by-step operations

LONG LASTING PRECISION FROM THE FIRST TO THE LAST PART

HIGHLIGHTS TFG 150

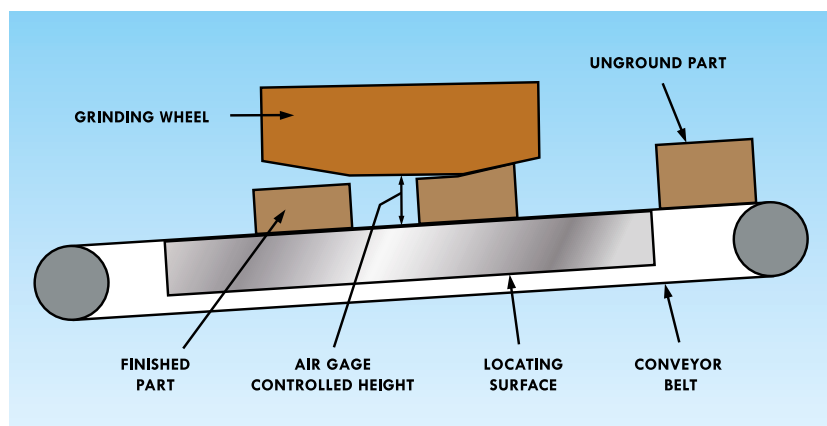
HARDWARE

- ☑ 457 mm OD × 254 mm ID × 76 mm T Resin bond grinding wheel
- ☑ 18.4 kW water-cooled spindle motor
- ☑ Rigid welded support structure
- ☑ Adjustable guide rail system
- ☑ Four-guide post die set

- ☑ Magnetic chuck and conveyor system
- ☑ Automatic wheel wear compensation
- ☑ Electronic positioning
- ☑ Coolant distribution system
- ☑ Variable speed drive (0 – 5 meters per minute)
- ☑ Various steps of automation available

SOFTWARE

- ☑ Touch screen control system
- ☑ Security access levels
- ☑ Detailed graphics with display of process parameters
- ☑ PLC control of all major functions
- ☑ Modem connection available



Functional drawing



Typical application: precision parts

TECHNICAL DATA	TFG 150
Wheel size [mm]	457 OD × 254 ID × 76 T
Parts size capacity [mm]	152 wide × 152 high
Main spindle motor power [kW]	21.6
Main spindle speed [rpm]	1200
Feed belt motor power [kW]	0.7
Feed belt speed [m/min]	0 – 5.1
Spindle coolant system capacity [L]	68
Magnetic chuck type	permanent or variable magnet
Magnetic chuck dimensions [mm]	915 L × 150 W
Power requirements	460V, 60 Hz, 3 Ph
Air supply pressure	5.5 bar
Machine net weight [kg]	3350
Machine dimensions [W × D × H] [mm]	2311 × 1447 × 2250 (2600*)

(*) 2600 mm denotes guard in UP position

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