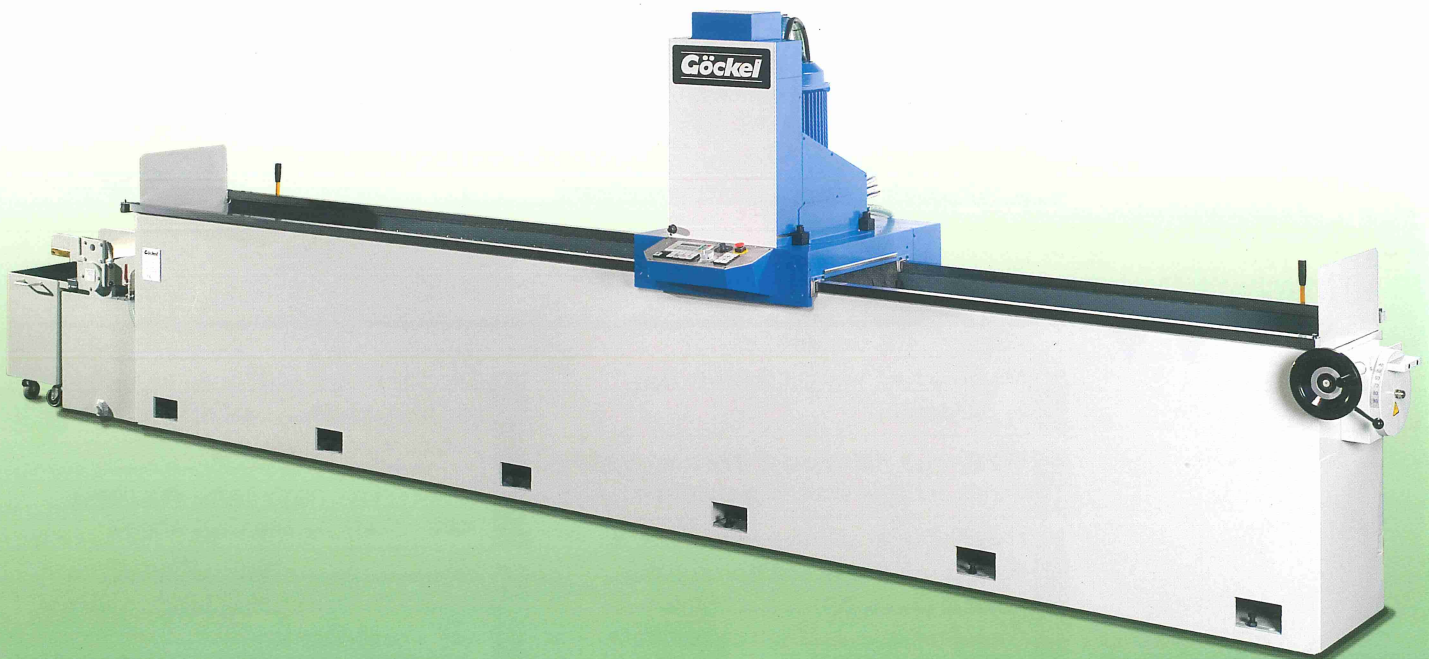


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Precision Grinding Machines

G 55 eIT

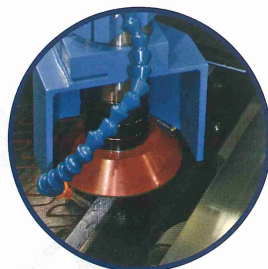
Precise and Economic Grinding System



Grinding motor capacity up to 15 kW (20 HP)
Grinding length up to 7.000 mm (25 ft)



Titable up to $\pm 30^\circ$,
manual or automatic
downfeed



Cup wheel
used on press
brake dies etc.



Back bevelling
of veneer knives ...



... and polishing
of the primary bevel

**Grinding and superfinishing
attachments for grinding
and polishing straight knives
of all kinds.**

Technical Data

Space requirement	width:	1.000 mm
	height:	1.800 mm
	length:	grinding length + 2.100 mm
Clearance	width:	320 mm
	height:	120/160 mm
Grinding width		275 mm
Table width	G55eIT	155/200
	G55eID	each 100 mm
	G55PL	250 mm
Grinding motor		7,5 -15 kW
Grinding tool		diameter 300 mm

Machine Construction

- 1** Machine bed, welded construction in cell design
 - 2** Guideways, hardened and ground way bands or hardened and ground solid ways
 - 3** Machine table, sturdy construction as fixed chuck (PL) or electromagnetic-rotating-chuck (eIT) or electromagnetic-double- chucks (eID) with adjustment and clamping device
 - 4** Grinding carriage, cast iron construction with antiliftrolls, support guiding system with tapered gibs
 - 5** Impulse downfeed via play free ball screw system, digital AC-Servo drive, NC operator panel, rapid postioning
 - 6** Grinding motor with strong hollow shaft and high precision bearings, tiltable for cross and radial grinding
 - 7** Grinding tool, ring wheels, segmental heads, diamond and CBN wheels
 - 8** Traverse drive, variable adjustable via digital AC - Servo drive, helical toothed rack + pinion system
 - 9** Coolant water through the hollow motorshaft and from the sides, various filtration systems
 - 10** Electric cabinet, separate installed
- All data can be changed based to the individual requirements

Different Specifications Steps to automation

- ▶ Electromagnetic quickchange device for grinding wheels
- ▶ Electronic demag units
- ▶ Steelessy variable grinding motors
- ▶ Automatic sizing units with wheel wear compensation
- ▶ Programmable controls for automatic grinding cycles
- ▶ Grinding and superfinishing attachments
- ▶ CNC-Controls
- ▶ Multiple chuck arrangements
- ▶ Special fixturing
- ▶ Two stationary grinding
- ▶ Grinding vapour extraction units
- ▶ Handling systems



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