

## 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 +/- 30°,  
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

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



**Göckel**

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