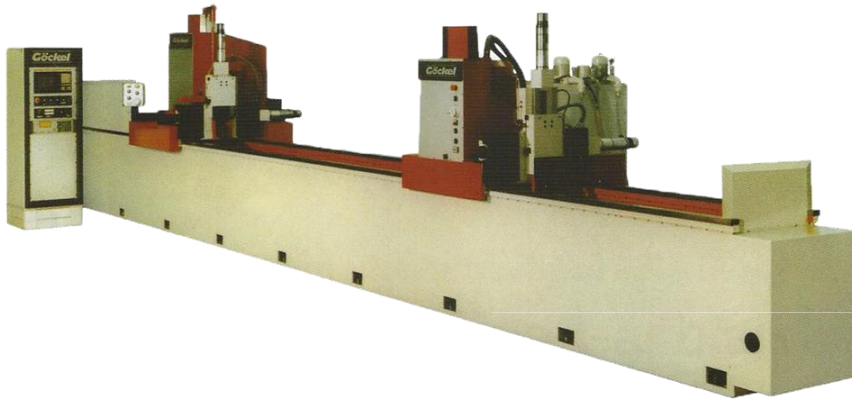


G 65 Precision Grinding Machines Surface / Knives / Production

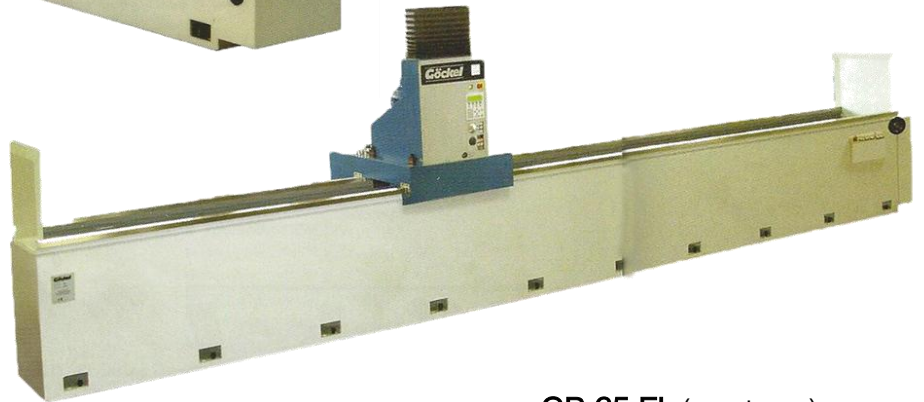


GB 65 / U 65/350 EL

Combined machine with two grinding heads type GB 65 / U 65 EL for segmental and peripheral grinding. 11 axis CNC-controlled. Grinding length 17 000 mm, bed length 20 m

G 65 EL

Precision grinding machine with operator panel and controlled down feed axis



GB 65 EL (not shown)

Precision grinding machine type GB 65 EL with Marposs in-process gaging as well as accordion bellow bed cover



GB 65 EL with grinding attachment



Cup wheel grinding attachment



View to the illuminated grinding area



Electro magnetic clamping (EL)



Technical data

required space	clearance	grinding width	table width	grinding motor	grinding tool diameter	traverse drive speeds
<ul style="list-style-type: none"> • length = grinding length+A • width • height (mm) 	<ul style="list-style-type: none"> • height • width (mm) 	<ul style="list-style-type: none"> (mm) 	<ul style="list-style-type: none"> •EL •ELD •PL (mm) 	<ul style="list-style-type: none"> kW (PS) 	<ul style="list-style-type: none"> (mm) 	<ul style="list-style-type: none"> •Servo (m/min)
<ul style="list-style-type: none"> •A 2300 • 1800 • 2150 	<ul style="list-style-type: none"> •170/200 •450 	<ul style="list-style-type: none"> •400 	<ul style="list-style-type: none"> •200/250 •150 •300 	<ul style="list-style-type: none"> 15 - 30 (20 - 40) 	<ul style="list-style-type: none"> •bis 450 	<ul style="list-style-type: none"> •0,02 - 30

grinding tolerance $\pm 0,005$ mm/m

Machine construction

- 1** *machine bed*, welding construction in celle design
- 2** *guideways*, hardened and ground way bands alternative hardened and ground bolted- on ways
- 3** *machine table*, sturdy construction as fixed chuck (PL) or electromagnetic rotating chuck (EL) or electromagnetic-double-chucks (ELD) with adjustment and clamping device
- 4** *grinding carriage*, cast iron construction with anti-lift rolls, support guiding with tapered gibs
- 5** *downfeed system*, for grinding tool, ballbearing screw and nut system, impulse feed with digital display, rapid positioning
- 6** *grindingmotor* with strong hollow shaft and high precision bearings, tiltable for cross and radial grinding
- 7** *grinding tools*, ring wheels, segmental heads, diamond and CBN wheels
- 8** *traverse drive*, AC servo drives variable adjustable
- 9** *coolant water* through the hollow motorshaft and from the sides, filtration cleaning
- 10** *electric cabinet*, separate installed

All data can be changed based to the individual requirements

different specifications steps to automation

- ▶ magnetic quickchange device for grinding wheels
- ▶ electronic demag units
- ▶ steplessly variable grinding motors
- ▶ automatic sizing units with wheel wear compensation
- ▶ programable controls for automatic grinding cycles
- ▶ pendulum and creep feed grinding
- ▶ NC and CNC-Controls
- ▶ multiple chuck arrangements
- ▶ special fixturing
- ▶ two stationary grinding
- ▶ grinding vapour extraction units
- ▶ handling systems



Göckel

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