



Precision-Grinding machines for your production

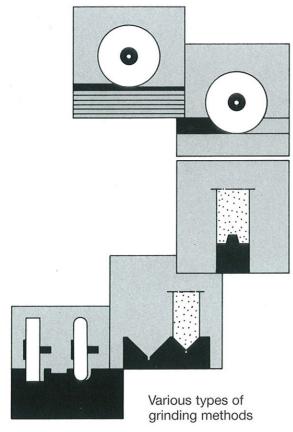
#### Modern and cost-effective grinding with the Göckel system

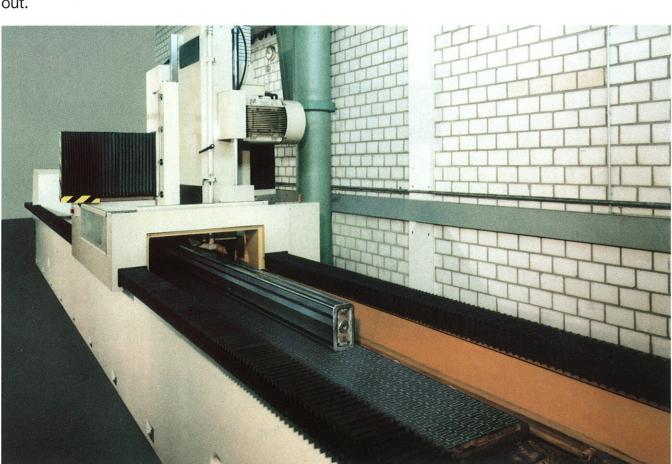
Our company has one hundred years' tradition in mechanical engineering and has specialized in precision grinding machines for decades.

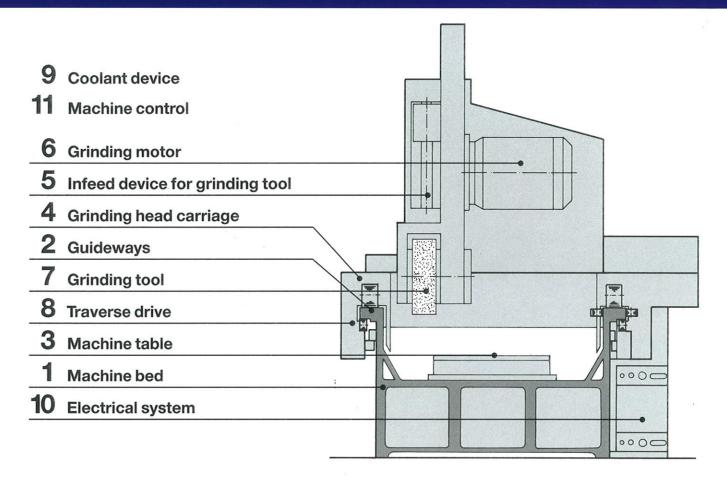
We offer you innovation for your production with our proven GÖCKEL system.
Our modern machines incorporate the following features:

- CNC grinding process control variable in hardware and software
- Measuring control systems for automatic grinding to finished size with digital sensor adjustment
- Incremental measuring systems with microprocessor counter systems
- Automatic start grinding process with adaptive control
- Permanently excited direct current servo-drives with roller circulating spindle systems

These features make our machines stand out.





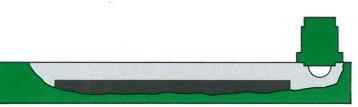


#### **Technical data**

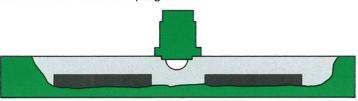
Machine type			U 65/	J 65/ U 80/			U 100/			U 130/			U 150/		
			350	350	500	600	350	500	600	350	500	600	350	500	600
Grinding head sizes	Grinding wheels max. width	Ø mm	350 75	350 75	500 125	600 150	350 75	500 125	600 150	350 75	500 125	600 150	350 75	500 125	600 150
	Grinding motor	kW	15	15	30	45	15	30	45	15	30	45	15	30	45
Grindir	Clearance height mm width mm		260 530	260	300 660	350	260	300 850	350	260	300 1150	350	260	300 1350	350
	Grinding width mm	300													
		400													
		450													
		500		*											
		600													
		800													
		900													
		1000													
		1100								×					
	Grinding length	mm					1700 – 15000								
	Carriage speed						(0,02) 0,5 – 40 m/min								

# U 65/80

### Grinding width 300 up to 450 mm with different motor capacities



One grinding head carriage Rotatable or fixed clamping table



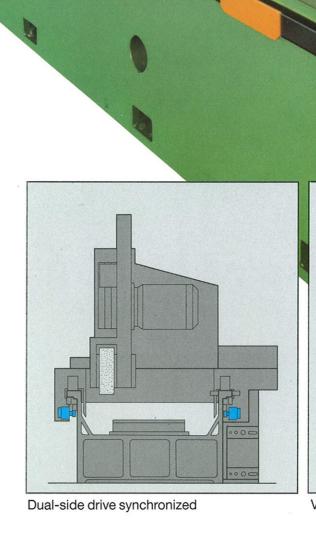
One grinding head carriage two-stationary grinding e.g. clamping to the left, grinding to the right

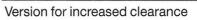


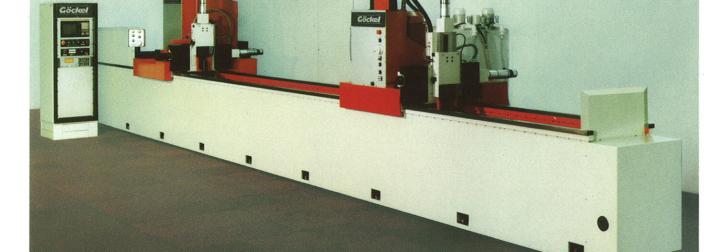
Two grinding head carriages for increased output Segmental- and peripheral grinding



Controldesk with screen CNC-multifunction keyboard integrated machine control board and electronic handwheel



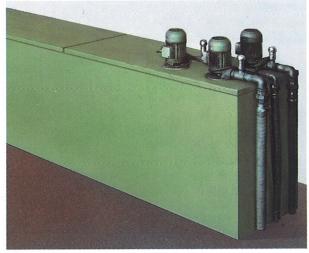




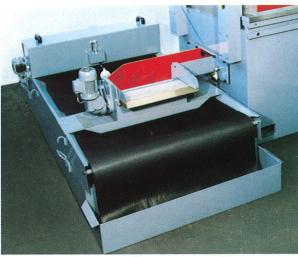
4 Combined machine with two grinding carriages for segmental- and peripheral grinding. CNC controlled, 11 axes

## U 100/130/150

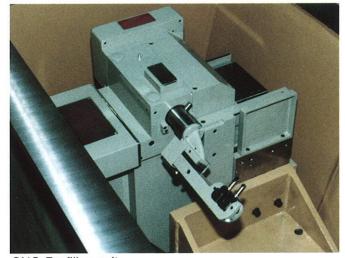




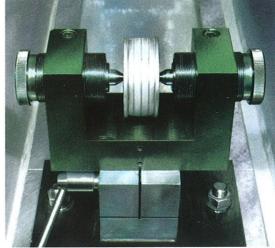
High-level tank set up separately



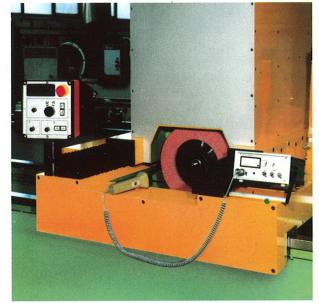
Magnetic separator with paper band filter



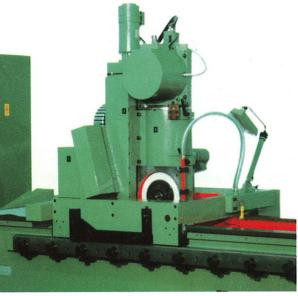
**CNC-Profiling unit** 



Crush-profiling with roll



Balancing device



Special grinding head for length and cross grinding (90° rotatable)

- Vertical long-table surface grinders grinding motor capacity of 2 to 350 kW grinding lengths of 1200 to 15000 mm grinding widths up to 1000 mm
- Horizontal rotary-table surface grinders and circular blade grinding machines grinding motor capacity of 0.5 to 50 kW grinding diameter up to 1500 mm
- Knife grinding machines for straight and circular knives. Tungsten Carbide knives
- Vertical rotary-table surface grinders grinding motor capacity up to 250kW grinding diameter up to 1500 mm

- Roll grinding machines grinding motor capacity of 3 to 50 kW roll diameter up to 1000 mm roll lengths up to 6000 mm
- Face (end) grinding machines grinding motor capacity from 10 to 50 kW angles up to 50°
- Handling systems and robots with and without CNC are steps of automation to increase output and tobe more economic for all machine types.

