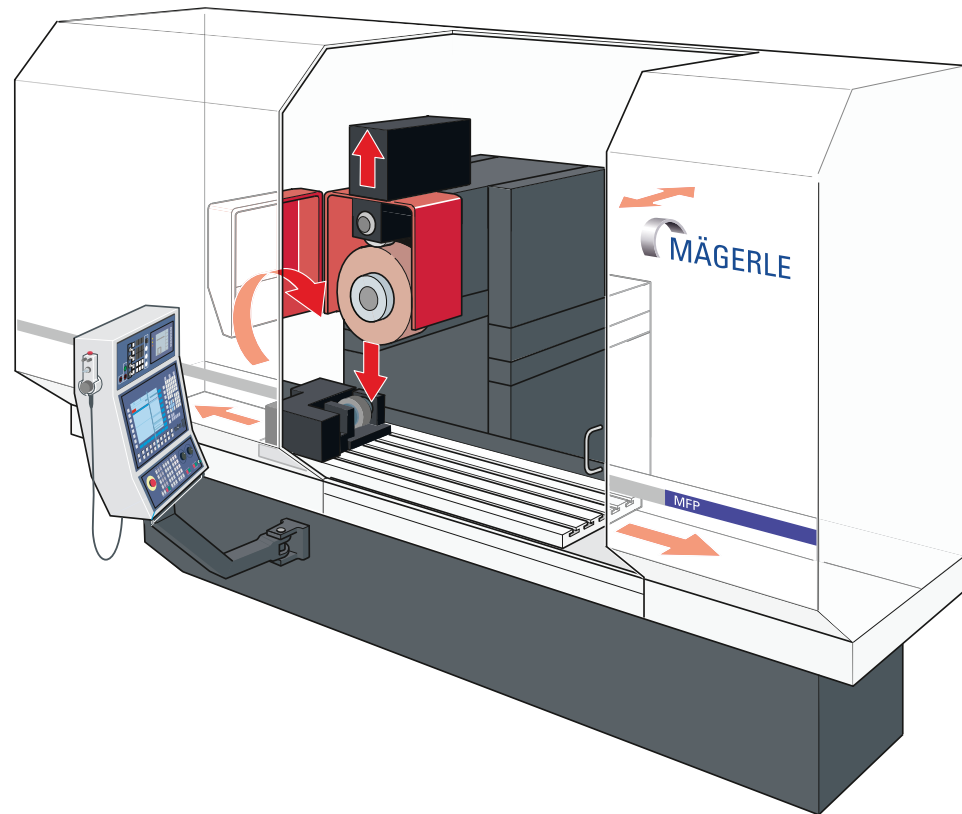


MFP - Surface and Profile Grinding Machine

Constant precision in 24/7 continuous operation

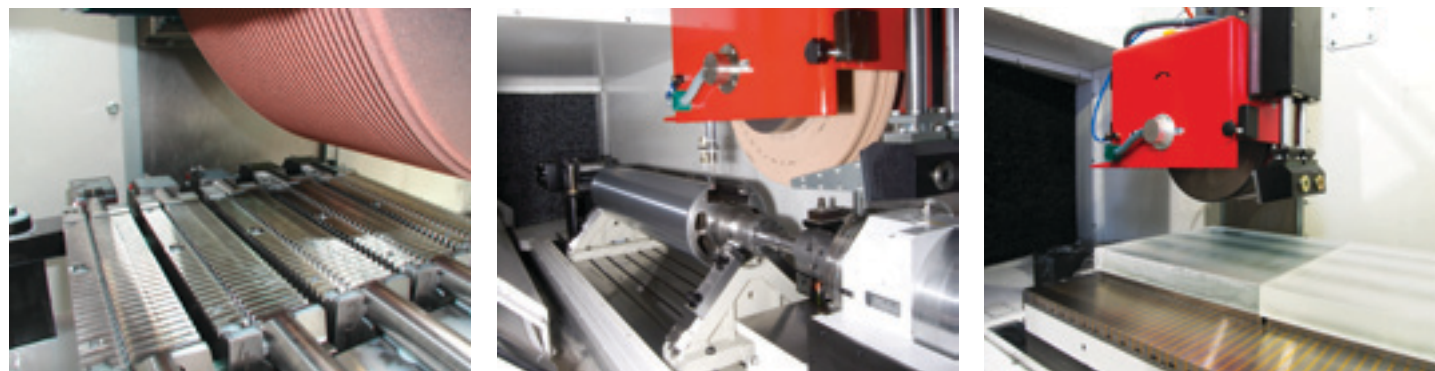


With the MFP series, MÄGERLE comprehensively covers the requirements for surface and profile grinding machines. These machines specialize in creep feed grinding as well as profile and surface grinding operations using the pendulum method. They demonstrate their full performance potential in applications where

workpieces must be produced in large batches and with high stock removal volumes in the customary high MÄGERLE precision. Thanks to their robust construction, the machines in the MFP series also master these requirements in hard 24/7 continuous operation. The MÄGERLE MFP series has a modular design. Table lengths

and vertical strokes across a large range can be freely combined with different additional axes and special components. This flexible modular system enables diverse machine configurations, which are precisely geared to the specific user requirements.

Applications



Applications



Technical data MFP

		080	125	160	220	260
X-axis - longitudinal stroke	mm	800	1,250	1,600	2,200	2,600
Travel speed	mm/min	0...30,000	0...30,000	0...30,000	0...30,000	0...30,000
Y-axis - vertical stroke	450 mm	■	■	■	■	■
	650 mm	■	■	■	■	■
	750 mm	-	■	■	■	■
Travel speed	mm/min	0...10,000 ¹⁾	0...10,000 ¹⁾	0...10,000 ¹⁾	0...10,000 ¹⁾	0...10,000 ¹⁾
Z-axis - transverse stroke	350 mm	■	■	■	■	■
	500 mm	■	■	■	■	■
	750 mm	-	■	■	■	■
	900 mm	-	-	■	■	■
Travel speed	mm/min	0...10,000 ¹⁾	0...10,000 ¹⁾	0...10,000 ¹⁾	0...10,000 ¹⁾	0...10,000 ¹⁾
V-axis profile dressing device, roll width, max.	167 mm	■	■	■	■	■
	207 mm	■	■	■	■	■
	247 mm	■	■	■	■	■
	307 mm	-	■ ²⁾	■ ²⁾	■ ²⁾	■ ²⁾
	Roll diameter max.	mm	160	160	160	160
Roll drive AC drive, max.	rpm	6,000	6,000	6,000	6,000	6,000
Grinding spindle drive – power	25 kW	■	■	■	■	■
	50 kW	■	■	■	■	■
	75 kW	■	■	■	■	■
	115 kW	-	■ ²⁾	■ ²⁾	■ ²⁾	■ ²⁾
Rpm range	rpm	5,000 (8,000)	5,000 (8,000)	5,000 (8,000)	5,000 (8,000)	5,000 (8,000)
Grinding wheel peripheral speed	m/s	35	35	35	35	35
	– switchable with key-operated switch	m/s	50	50	50	50
	– with additional flange monitoring switchable up to	m/s	63	63	63	63
Grinding wheel diameter	mm	400/500	400/500/600 ²⁾	400/500/600 ²⁾	400/500/600 ²⁾	400/500/600 ²⁾
Grinding wheel width	mm	160/200/240	160/200/240	160/200/240	160/200/240	160/200/240
			optimized to 300 mm	optimized to 300 mm	optimized to 300 mm	optimized to 300 mm

¹⁾ optionally 20m/min ²⁾ dependent on size

We reserve the right to make technical changes