

M. + M. MAI GMBH
PRÄZISIONS-RUNDSCHLEIFMASCHINEN



Wide Range
of application-
specific
accessories

THE CLASSIC FOR MODERN TASKS

Conventional universal and production cylindrical grinding machines

NUMBERS THAT SPEAK FOR THEMSELVES

	HTG 310	HTG 610	HTG 610U
Main Data			
Distance between centres in mm	380	680	680
Centre height standard (optional) in mm	100 (150)	100 (150)	100 (150)
Grinding length in mm	340	620	620
Grindable workpiece diameter			
Max. workpiece diameter with full wheel standard (optional) in mm	198 (298)	198 (298)	198 (298)
Min. workpiece diameter with worn wheel in mm	1	1	1
Max. workpiece weight between centres (optional) in kg	80	80	80
Max. load for grinding without tailstock (optional) in Nm	50	50	50
Grinding wheelhead			
Grinding wheel diameter in mm	350	350	L: 350 / R: 250
Grinding wheel width in mm	50	50	L: 50 / R: 25
Number of grinding tools	1	1	2
Motor power in kW	3	3	3
Grinding wheel peripheral speed in m/s	35	35	35
X-axis travel in mm	45	45	45
Rapid infeed travel in mm	38	40	40
Max. automatic infeed travel in mm	1,2	1,2	1,2
Max. automatic infeed travel in mm per stroke	0,05	0,05	0,05
Spark-out time in seconds	1 - 30	1 - 30	1 - 30
Workpiece headstock			
Spindle taper	MK5	MK5	MK5
Workpiece table swivel range max.	+30 ° / -45 °	+30 ° / -45 °	+30 ° / -45 °
Speed range in min ⁻¹	0 - 500	0 - 500	0 - 500
Tailstock			
Spindle taper	MK3	MK3	MK3
Quill travel (optional) in mm	20 (60 / 120)	20 (60 / 120)	20 (60 / 120)
Longitudinal slide			
Z-axis travel in mm	410	620	620
Max. Z-axis speed in mm/min	0 - 5	0 - 5	0 - 5
Workpiece table swivel range max.	+/- 9 °	+/- 9 °	+/- 9 °
General data			
Total electrical connected load in kW	6	8	8
Machine weight in kg (approx.)	1.700	2.500	2.600
Length x Depth x Height in mm	2.020 x 1.200 x 1.450	3.020 x 1.260 x 1.500	3.020 x 1.260 x 1.500