Machinnotek GmbH – Technical Data

CNC surface & profile grinding machines, JM series · Status: 2026

Cross-Slide Surface & Profile Grinding Machines (JM-52CNC / JM-73CNC / JM-410CNC)

Parameter	JM-52CNC	JM-73CNC	JM-410CNC
Worktable size (mm)	200 × 500	300 × 700	400 × 1000
Max. stroke (mm)	250 × 550	340 × 780	440 × 1200
Max. distance spindle centre (mm)	520	620	620
Max. table load (kg)	500	700	1000
Parallelism to reference surface (mm)	0.003		
Surface roughness (Ra)	0.08	0.12	
Guideway left/right	Double-V slideway		
Drive left/right	Hydraulic, 3–25 m/min		
Guideway front/rear	Linear guideway		
Drive front/rear	Ballscrew + servo motor, min. feed 0.001 mm, 0–1200 mm/min		
Grinding wheel (mm)	Ø 400 × 127 × 40		
Spindle motor (kW)	7.5 (option 11)		7.5 (option 11)
Floor space L×W×H (cm)	320 × 250 × 230	400 × 230 × 230	440 × 240 × 230
Weight, gross (kg)	4300	5400	6000

Surface & Profile Grinding Machine with Moving Column (JM-512CNC)

Parameter	JM-512CNC
Worktable size (mm)	500 × 1200
Max. stroke (mm)	550 × 1300
Max. distance spindle centre (mm)	700
Max. table load (kg)	1300
Parallelism to reference surface (mm)	0.003
Surface roughness (Ra)	0.12
Guideway left/right	Double-V slideway / linear guideway
Drive left/right	Hydraulic, 3–25 m/min

Guideway front/rear	Linear guideway
Drive front/rear	Ballscrew + servo motor, min. feed 0.001 mm, 0–1200 mm/min
Grinding wheel (mm)	Ø 400 × 127 × 40
Spindle motor (kW)	11 (options 15, 22, 37, 45, 60, 85)
Floor space L×W×H (cm)	460 × 240 × 230
Weight, gross (kg)	8800

High-Performance Creep-Feed Grinding Machine (JM-615CNC)

Parameter	JM-615CNC
Worktable size (mm)	600 × 1500
Max. stroke (mm)	650 × 1600
Max. distance spindle centre (mm)	700
Max. table load (kg)	1300
Parallelism to reference surface (mm)	0.003
Surface roughness (Ra)	0.12
Guideway left/right	Double-V slideway
Drive left/right	Hydraulic, 3–25 m/min
Guideway front/rear	Linear guideway
Drive front/rear	Ballscrew + servo motor, min. feed 0.001 mm, 0–1200 mm/min
Grinding wheel (mm)	Ø 400 × 127 × 40
Spindle motor (kW)	15 (options 22, 37, 45, 60, 85)
Floor space L×W×H (cm)	480 × 280 × 275
Weight, gross (kg)	10800