MachInnoTek

Ultimate Grinding

COMMITTED TO PROVIDING ADVANCED GRINDING SOLUTIONS

CNC Grinding Machines

Product Catalogue 2026

Germany – Machinnotek GmbH

Gewerbestr. 8, 78126 Königsfeld im Schwarzwald

Tel. +49 7725-4949-865

E-mail: info@machinnotek.com

Machine Brand – JIMO

JIMO is the brand of the CNC grinding machines of Machinnotek GmbH.

No. 1118 Suoqian Middle Road, Xiaoshan, Hangzhou, China

Tel. +86 571-82721673

E-mail: haifeng.xu@machinnotek.com

Company Profile

Company Profile

Machinnotek GmbH, headquartered in **Königsfeld im Schwarzwald** (Baden-Württemberg), is your partner for high-precision CNC grinding machines and tailored grinding solutions. Under the brand **JIMO** we develop and manufacture precision surface grinding machines, profile grinding machines and high-performance creep-feed grinding machines – an innovative technology enterprise integrating processing, assembly, design, R&D, sales and service.

Adhering to the business philosophy of "Inclusiveness, Integrity, Specialization", we aim to reach world-class international standards. An independent R&D team and several consulting senior engineers, formerly with renowned German grinding machine manufacturers, secure our technological competence. We develop advanced grinding solutions and produce precision CNC surface grinders, CNC horizontal/vertical spindle form grinders and creep-feed grinders.

The machine tools feature simple operation, stable structure and high precision and have been exported overseas. Machinnotek GmbH serves the European market with direct consulting, service and spare-parts supply – in your language and with short routes.

We sincerely invite customers and distributors from home and abroad to visit and negotiate business – for win-win cooperation and a prosperous future together!

CNC Surface Grinding Machine

CNC Surface Grinding Machine



Machine Features

- Cross-slide bed, finite-element-optimised; square double-walled multi-rib base for maximum rigidity and stability
- Upper frame in double-walled mid-waist design – high bending and torsional rigidity
- Double-V slideways for stable table movement; heavy-duty preloaded roller linear guideways for up/down and cross feed
- Servo motors directly coupled with high-precision preloaded ball screws – fast response, accurate feed, high positioning accuracy
- Proportional hydraulic table drive with analog speed control
- High-precision flanged spindle; separate hydraulic tank

Item	Unit	JM-52CNC	JM-73CNC	JM-410CNC
Processing Capacity				
Worktable (grinding) size	mm	200 × 510	300 × 700	400 × 1000
Max. Hub / Max. stroke	mm	240 × 580	340 × 780	440 × 1180
Max. Abstand Spindelmitte / Distance from spindle center	mm	420	620	620
Max. Tischbelastung / Max. load of worktable	kg	500	700	1000
Parallelität / Parallelism	mm	0.003		
Rauheit / Roughness	Ra	0.08	0.2	
Longitudinal Travel				
Führung links/rechts / Left & right guideway		Double-V hard guideway		
Antrieb / Drive mode		Hydraulic pressure		
Table speed	m/min	3–25		
Cross Travel				
Führung vorn/hinten / Front & rear guideway		Linear guideway		
Antrieb / Drive mode		Ball screw + servo motor		
Min. feed	mm	0.001		
Speed	mm/min	0–1200		
Vertical Travel				
Führung oben/unten / Up & down guideway		Linear guideway		
Antrieb / Drive mode		Ball screw + servo motor		

CNC Surface & Profile Grinding Machine

CNC Surface & Profile Grinding Machine



Machine Features

- Cross-slide bed, finite-element-optimised; square double-walled multi-rib base
- Double-walled mid-waist upper frame; Double-V slideways left/right
- Heavy-duty preloaded roller linear guideways; servo motors directly coupled with preloaded ball screws (up/down, cross, longitudinal)
- Fast response, accurate feed, high positioning accuracy; high-precision flanged spindle

Item	Unit	JM-52CNC	JM-73CNC	JM-410CNC
Processing Capacity				
Worktable (grinding) size	mm	200 × 510	300 × 700	400 × 1000
Max. Hub / Max. stroke	mm	240 × 550	340 × 780	440 × 1180
Max. Abstand Spindelmitte / Distance from spindle center	mm	420	600	600
Max. Tischbelastung / Max. load of worktable	kg	500	700	1000
Parallelität / Parallelism	mm	0.003		
Rauheit / Roughness	Ra	0.08	0.2	
Longitudinal Travel				
Führung links/rechts / Left & right guideway		Double-V hard guideway		
Antrieb / Drive mode		Hydraulic pressure		
Table speed	m/min	3–20		
Cross Travel				
Führung vorn/hinten / Front & rear guideway		Linear guideway		
Antrieb / Drive mode		Ball screw + servo motor		
Min. feed	mm	0.001		
Speed	mm/min	0–1200		
Vertical Travel				
Führung oben/unten / Up & down guideway		Linear guideway		
Antrieb / Drive mode		Ball screw + servo motor		

CNC Surface & Profile Grinding Machine (Moving Column)

CNC Surface & Profile Grinding Machine (Moving Column)



Machine Features

- For flat surfaces and complex profiles; T-type moving column design
- One-piece base for high bending and torsional rigidity; double-walled upper frame
- Fully supported worktable; heavy-duty preloaded roller linear guideways
- Precision hand-scraped Double-V slideways; proportional hydraulics; flanged spindle; separate hydraulic tank

Item	Unit	JM-5012NC	JM-5016NC	JM-6015NC	JM-7015NC	JM-8015NC
Processing Capacity						
Worktable (grinding) size	mm	500×1250	500×1650	600×1500	700×1500	800×1500
Max. Hub / Max. stroke	mm	540×1450	540×1750	650×1650	750×1650	840×1650
Max. Abstand Spindelmitte / Distance from spindle center	mm	180–790	180–790	180–700	180–700	180–700
Max. Tischbelastung / Max. load of worktable	kg	1100	1100	1300	1400	1700
Parallelität / Parallelism	mm	0.003				
Rauheit / Roughness	Ra	0.2				
Longitudinal Travel						
Führung links/rechts / Left & right guideway		Double-V hard guideway (precision scraped)				
Antrieb / Drive mode		Hydraulic pressure				
Tischgeschwindigkeit / Table speed	m/min	3–25				
Cross Travel						
Führung vorn/hinten / Front & rear guideway		Linear guideway				
Antrieb / Drive mode		Ball screw + servo motor				
Min. Vorschub / Min. feed	mm	0.001				
Geschwindigkeit / Speed	mm/min	0–1200				
Vertical Travel						
Führung oben/unten / Up & down guideway		Linear guideway				
Antrieb / Drive mode		Ball screw + servo motor				

CNC Hydrostatic Guideway Grinding Machine

CNC Hydrostatic Guideway Grinding Machine



Machine Features

- X and Z axes with fully hydrostatic guideways – low resistance, friction-free, no stick-slip
- Straightness Z < 0.001 mm, X < 0.0015 mm; hydrostatic spindle for highest surface quality
- X/Z driven by linear motors; positioning accuracy X/Y/Z ≤ 0.0015 mm
- Marble bed for maximum stability

Item	Unit	JM-2070CNC
Processing Capacity		
Arbeitstischgröße / Worktable size	mm	200 × 700
Max. Hub / Max. stroke	mm	230 × 740
Max. Abstand Spindelmitte / Distance from spindle center	mm	100–460
Max. Tischbelastung / Max. load of worktable	kg	500
Parallelität / Parallelism	mm	0.003
Rauheit / Roughness	Ra	0.08
Longitudinal Travel		
Führung links/rechts / Left & right guideway		Hydrostatic guideway
Antrieb / Drive mode		Linear motor
Tischgeschwindigkeit / Table speed	m/min	3–20
Cross Travel		
Führung vorn/hinten / Front & rear guideway		Hydrostatic guideway
Antrieb / Drive mode		Linear motor
Min. Vorschub / Min. feed	mm	0.001
Geschwindigkeit / Speed	mm/min	0–1200
Vertical Travel		
Führung oben/unten / Up & down guideway		Linear guideway
Antrieb / Drive mode		Ball screw + servo motor

CNC Creep Feed Profile Grinding Machine

CNC Creep Feed Profile Grinding Machine



Machine Features

- Heavy-duty creep-feed grinding for high performance and efficiency; mid-waist moving column design
- One-piece base, double-walled upper frame, fully supported worktable
- Heavy-duty preloaded roller linear guideways; servo motors directly coupled with preloaded ball screws
- High-precision flanged spindle

Item	Unit	JM-4010CNC	JM-5012CNC	JM-6012CNC
Processing Capacity				
Arbeitstischgröße / Worktable size	mm	400 × 1000	500 × 1250	600 × 1450
Max. Hub / Max. stroke	mm	380 × 1180	550 × 1500	600 × 1500
Max. Abstand Spindelmitte / Distance from spindle center	mm	180–700	180–720	160–900
Max. Tischbelastung / Max. load of worktable	kg	1000	1100	1300
Parallelität / Parallelism	mm	0.003		
Rauheit / Roughness	Ra	0.4		
Longitudinal Travel				
Führung links/rechts / Left & right guideway		Linear guideway		
Antrieb / Drive mode		Ball screw + servo motor		
Tischgeschwindigkeit / Table speed	m/min	3–20		
Cross Travel				
Führung vorn/hinten / Front & rear guideway		Linear guideway		
Antrieb / Drive mode		Ball screw + servo motor		
Min. Vorschub / Min. feed	mm	0.001		
Geschwindigkeit / Speed	mm/min	0–1200		
Vertical Travel				
Führung oben/unten / Up & down guideway		Linear guideway		
Antrieb / Drive mode		Ball screw + servo motor		

CNC 5-Axis Creep Feed Profile Grinding Machine

CNC 5-Axis Creep Feed Profile Grinding Machine



Machine Features

- Heavy-duty creep-feed grinding for high performance and efficiency; mid-waist moving column design
- One-piece base, double-walled upper frame, fully supported worktable
- Siemens ONE; disc or chain grinding wheel magazine; high-precision A/C rotary table
- HSK-B80 or HSK-100 spindle

Item	Unit	JM-100CNC
Processing Capacity		
Arbeitstischgröße / Worktable size	mm	600 × 1200
Max. Hub / Max. stroke	mm	600 × 1200
Max. Abstand Spindelmitte / Distance from spindle center	mm	490–970
Max. Tischbelastung / Max. load of worktable	kg	1300
Parallelität / Parallelism	mm	0.003
Rauheit / Roughness	Ra	0.4
Longitudinal Travel		
Führung links/rechts / Left & right guideway		Linear guideway
Antrieb / Drive mode		Ball screw + servo motor
Tischgeschwindigkeit / Table speed	m/min	3–20
Cross Travel		
Führung vorn/hinten / Front & rear guideway		Linear guideway
Antrieb / Drive mode		Ball screw + servo motor
Min. Vorschub / Min. feed	mm	0.001
Geschwindigkeit / Speed	mm/min	0–1200
Vertical Travel		
Führung oben/unten / Up & down guideway		Linear guideway
Antrieb / Drive mode		Ball screw + servo motor