K series Crankshaft Grinding Machine

Model MR/MD

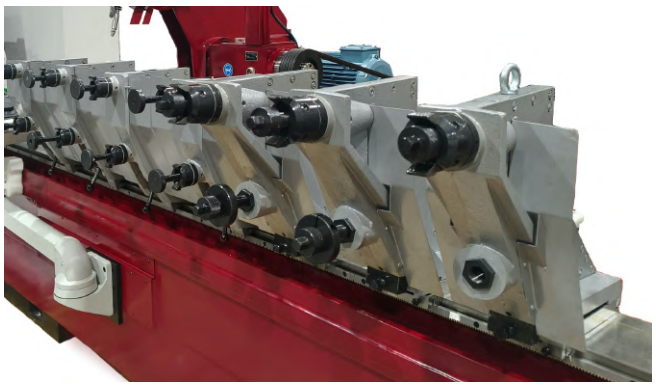


Precision Grinding.
- Built for Large Crankshafts.

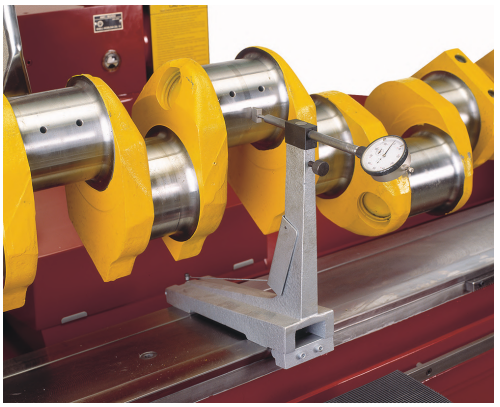
The Benefits of Precision

The new range of the AMC-SCHOU HEAVY DUTY CRANKSHAFT GRINDING MACHINES, is designed by more than 70 years' experience for making strong and heavy machines, and are very user-friendly for the customers.

The new range of machines is made by very strong and heavy cast iron, and by using precision Europe brand Ballscrews, Bearings and SIEMENS PLC control, or SIEMENS 828D control system.



Heavy-Duty Steady Rest
Heavy-duty steady rest for large crankshafts. Essential for heavy machining applications.



Set-Up Indicator
Set-up indicator with quick-setting dial gauge. No tools required for installation or removal.



Stroke Length Measurement
Device for measuring stroke length, providing direct readings for fast and accurate throw setting.



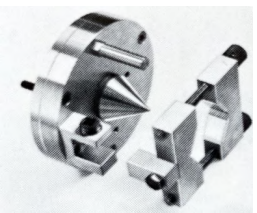
V-Gauge
Crankshaft centering V-gauge for fast and precise positioning of journals.



Crankshaft Sag Gauge (Ø85–Ø160 mm)
Gauge for measuring crankshaft deflection.



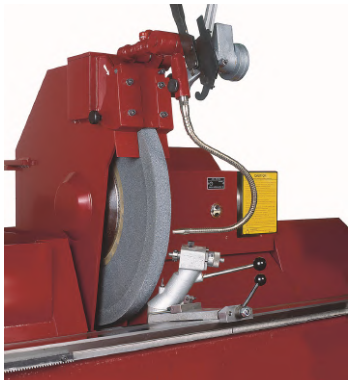
GRINDING WHEEL HUB.



FIXTURE FOR SETTING-UP
between centers w. driving dogs 45-95mm



Face and Side Dresser
Combined face and side dresser with quick mounting. Can be used while the crankshaft remains mounted in the machine.



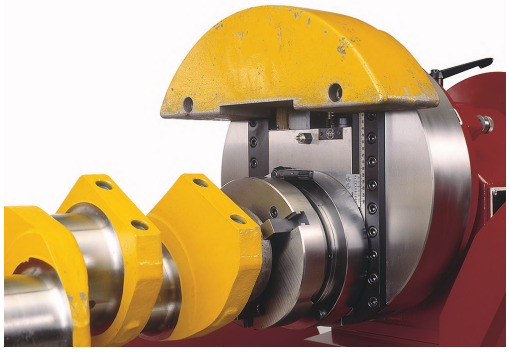
Radius Dresser
Radius dresser with scale for direct radius reading. Easy mounting allows use with the crankshaft in position.



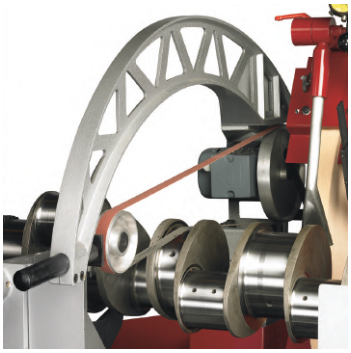
Electric Face Dresser
Electric face dresser for fast and efficient use during crankshaft grinding operations.



AMC Electronic In-Process Gauging
Easy-to-use measuring system for determining grinding allowance and monitoring roundness during machining.



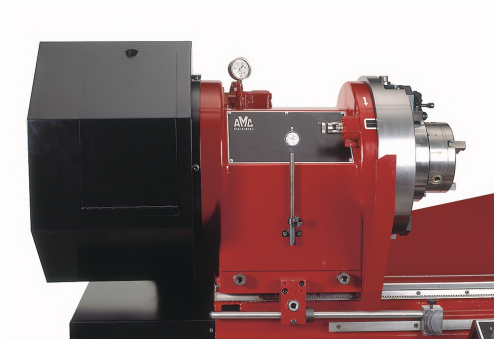
Counterweights
Additional counterweights can be fitted to balance large crankshafts. Essential for heavy-duty applications.



Belt Polishing Unit



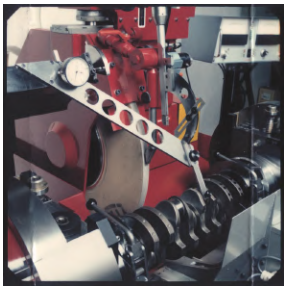
Stroke Throw Setting Device



Safety Guards



Grinding Wheel Balancing Stand



Axial Control of Journal Position



The Quickest and Most Accurate Set-up System Available.

AMC-SCHOU – CRANKSHAFT GRINDING MACHINES – MODEL MR/MD
CURRENT STANDARD MODELS:

TECHNICAL SPECIFICATIONS		K 4000-MR	K 5000-MR	K 6000-MR	K 4000-MD	K 5000-MD	K 6000-MD
Max. distance between chucks	mm	4100	5100	6100	4100	5100	6100
Max. distance between centres	mm	4200	5200	6200	4200	5200	6200
Swing over table	mm	900	900	900	1200	1200	1200
Max. weight between centers	Kg.	1500	1500	1500	3000	3000	3000
Max. weight between chucks	Kg.	2500	2500	2500	5000	5000	5000
Max. stroke – twice off-set of centres	mm	300	300	300	500	500	500
Steady rest, light, capacity	mm	25-150	25-150	25-150	25-150	25-150	25-150
Steady rest, standard, capacity	mm	150-300	150-300	150-300	150-300	150-300	150-300
Steady rest heavy duty, capacity	mm	50-300	50-300	50-300	50-300	50-300	50-300
Max. workpiece diameter – new wheel	mm	900	900	900	1200	1200	1200
Max. workpiece diameter workhead-chuck	mm	250	250	250	350	350	350
Max. workpiece diameter tailstock-chuck	mm	250	250	250	350	350	350
DEPENDING ON CRANKSHAFT CONFIGURATION							
Workpiece spindle speeds stepless	rpm	0-80	0-80	0-80	0-80	0-80	0-80
Table speed stepless	mm/min	0-3000	0-3000	0-3000		0-3000	0-3000
Wheel slide rapid movement	mm/min	0-2000	0-2000	0-2000	0-2000	0-2000	0-2000
MOTORS							
Grinding wheel motor	kW	18.5	18.5	18.5	30	30	30
Hydraulic power pump	kW	1.1	1.1	1.1	1.1	1.1	1.1
Workhead motor	kW	5.2	5.2	5.2	7	7	7
Tailstock motor	kW	5.2	5.2	5.2	7	7	7
Coolant pump	kW	0.12	0.12	0.12	0.12	0.12	0.12
DIMENSIONS							
Grinding wheel diameter	mm	1000	1000	1000	1200	1200	1200
Min. grinding wheel width	mm	25	25	25	25	25	25
Max. grinding wheel width	mm	70	70	70	70	70	70
Height floor to spindle centre	mm	1050	1050	1050	1200	1200	1200
Height of machine	mm	1850	1850	1850	2000	2000	2000
Total length of machine	mm	12600	14600	16600	12600	14600	16600
Total width of machine	mm	3000	3000	3000	3200	3200	3200
Working space required	mm	15000x4300	17000x4300	19000x4300	15000x4500	17000x4500	19000x4500
Net. weight approx.	kg	16000	17500	19000	18750	20250	21000

Specifications, descriptions, dimensions, and illustrations are subject to change without prior notice.

The Benefits of Precision

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