



Surface-grinding machine

F-Grind A

20x40" to 28x80"



- The grinding spindle runs in preloaded precision angular contact ball bearings
- Automatic transverse and longitudinal feed
- High positioning accuracy of the vertical axis by AC servo-motor in conjunction with recirculating ball screw
- Delivery of the vertical axis manually via handwheel
- Rapid traverse to the desired working height
- Roughing and finishing parameters are adjustable
- Hydraulic table movement in the longitudinal axis
- Precision linear guides for the vertical axis
- Double V guides for the transverse axis
- Combined flat and V guides for the longitudinal axis
- High table load capacity for heavy work pieces
- Table guideways are hardened, ground and PTFE (polytetrafluoroethylene) coated for very high wear resistance

Standard configuration

- Heavy, stiffened cast frame with superior dampening properties
- Recirculating ball spindles for vertical axis
- Grinding wheel (standard)
- Grinding wheel flange (standard)
- Balance counter stand
- Balancing stand
- Diamond dresser
- Work light
- Automatic lubrication
- Leveling pads and bolts
- Tool kit
- Operation manual

Optional configuration

- AD 5 NC control
- Magnetic chuck
- Coolant system with magnetic separator
- Coolant system with paper filter
- Coolant system with paper filter and magnetic separator
- Automatic demagnetizing
- Grinding wheel (extra)
- Backsplash guard
- Parallel dresser (manual)
- NC-controlled dressing and compensating device
- Recirculating ball spindles for horizontal and vertical axis

Specifications	F-Grind A						
	50100		50150		50200		
	60100		60150		60200		
		70100		70150		70200	
		20/24/28" x 40"		20/24/28" x 60"		20/24/28" x 80"	
Table dimensions	mm	500x1020 (20x40")		500x1520 (20x60")		500x2020 (20x79.5")	
	mm	600x1020 (24x40")		600x1520 (24x60")		600x2020 (24x79.5")	
	mm	700x1020 (28x40")		700x1520 (28x60")		700x2020 (28x79.5")	
Distance spindle center-table	mm	600 (24") [opt. 800 (31.5"), 1000 (39")]					
Hydraulic table feed	mm/min	3-25 (110-980"/min)					
Automatic transverse feed	mm	0.5-20 (0.02-0.8")					
Rapid cross feed	mm/min	900 (35"/min)					
Transverse feed increment	mm	0.02 (0.0008")					
Transverse feed per revolution	mm	5 (0.2")					
Rapid vertical feed	mm/min	300 (12"/min)					
Vertical feed: 1 revolution	mm	(x1) 0.1, (x5) 0.5, (x10) 1 (0.004, 0.02, 0.04")					
Vertical feed: 1 scale division	mm	(x1) 0.001, (x5) 0.005, (x10) 0.01 (0.00004, 0.0002, 0.0004")					
Automatic down feed	mm	0.001-0.999 (0.00004-0.04")					
Spindle speed	rpm	1450					
Grinding wheel dimensions	mm	Ø406x50xØ127 (16x2x5")					
Main spindle motor	kW	7.5 (10 Hp) [opt. 11 (15 Hp)]					
Hydraulic pump motor	kW	2.2 (3 Hp)		3.75 (5 Hp)			
Vertical feed motor	kW	1, AC Servomotor					
Weight	kg	6000 (13,200 lbs)		7200 (15,840 lbs)		8400 (18,480 lbs)	
	kg	6300 (13,860 lbs)		7500 (16,500 lbs)		8700 (19,140 lbs)	
	kg	6600 (14,520 lbs)		7800 (17,160 lbs)		9000 (19,800 lbs)	
Item No.	3720010		3720013		3720016		
	3720011		3720014		3720017		
	3720012		3720015		3720018		

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.