

MQ8260A Crankshaft Grinding Machine

Features

MQ8260A crankshaft grinding machine is intended for use in automobile, tractor and diesel engine repairing shops to regrind the crankpins and journals of crandshafts. Wheelhead rapid approach and withdrawal is hydraulically effected, the worktable is operated approached either by hand or by power. Power table traverse, either left or right, is momentarily actuated by depressing and releasing the electric push button in connection with the desired direction. This arrangement facilitates table spacing for the grinding of the next journal or crankpin.

- Four different work speeds are obtainable by making use of a double - speed motor and the belts in workhead.
- Union chucks are used in the headstock and tailstock for adjusting eccentricity up to 120 mm.
- Friction coupling is used in the headstock transmission chain for its easy adjustment.
- Table longitudinal traverse is operated either by hand or by power.
- Wheelhead rapid approach and withdrawal is effected by hydraulic means .
- Rolling guideways are used on wheelhead and made by high quality material . The wheel spindle being of 80 mm in diameter has good rigidity and strength.
- Plastic coated bed ways with less friction.
- The bed ways and wheelhead ways are lubricated in automatic cycle by means of oil pump.
- The digital display device can be optional.

Main specifications

Model	MQ8260A×1600	MQ8260A×1800	MQ8260A×2000	
Max. work diameter × Max. length	Φ600×1600 mm	Φ600×1800 mm	Φ600×2000 mm	
Capacity	Max. swing over table	Φ600 m		
	Work diameter ground with steady rest	Φ30×100 mm		
	Throw of crankshaft	Φ110 mm		
	Max. work length ground in 3 jaw chuck	1400 mm	1600 mm	1800 mm
	Max. work length ground between centers	1600 mm	1800 mm	2000 mm
Headstock	Max. work weight	120 kg		
	Max. work weight	150 kg		
Headstock	Center height	300 mm		
	Work speed (rpm)	25,45,95		
Wheelhead	Work speed (rpm)	30,45,65,100		
	Max. cross movement	185 mm		
	Wheelhead rapid approach & withdrawal	100 mm		
	Wheelhead feed per guard of cross feed handwheel	1 mm		
Grinding wheel	Wheel feed per guard of cross feed handwheel	0.005 mm		
	Wheel spindle speed	740, 890 rpm		
	Wheel peripheral speed	25.6~35 m/sec		

	Wheel size	Φ900×32×Φ305 mm		
Table	Table traverse per turn of handwheel coarse	5.88 mm		
	Table traverse per turn of handwheel fine	1.68 mm		
	Table swivel (taper 18/100)	5°		
	Table swivel per grad of scale (taper 1:50)	10'		
Overall capacity of motor		9.82 Kw	11-12 Kw	
Overall dimensions (L×W×H)		4166×2037×1584 mm		4900×2037×1584 mm
Packing dimensions (L×W×H)		4300×2200×2000 mm		5300×2200×2000 mm
Weight		6000 kg	6200 kg	7000 kg
Working accuracy	Ovality new standard	0.005		
	Cylindricity	0.01	0.01	0.01
	Roughness	Ra 0.32	Ra 0.32	Ra 0.32

Standard Accessories

jaw chucks
 wheel dresser
 wheel balancing arbor
 leveling wedge
 driving dog
 vertical aligning stand
 horizontal aligning stand
 wheel balancing stand
 hanging measuring device
 steady rest
 centering device
 grinding wheel

Optional Accessories

end dresser
 digital readout
 polisher
 diamond dresser