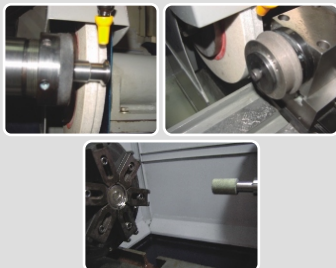


CYLINDRICAL GRINDING MACHINE

CLG : 110 - CNC



TECHNOLOGY + TECHNIQUE = TOTAL SOLUTION



OUR PRODUCT RANGE

- (1) CYLINDRICAL GRINDING MACHINES
(Hyd./PLC/CNC)
- (2) INTERNAL GRINDING MACHINE
(Hyd./PLC/CNC)
- (3) PUNCH/CAM PROFILE GRINDING M/c.
(Hyd. & CNC)
- (4) GRINDING/MILLING/DRILLING SPMs
- (5) CNC CONVERSION / UPGRADES



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LAVINGIA ENTERPRISE

TECHNOLOGY + TECHNIQUE = TOTAL SOLUTION

MODEL	UNIT	CLG 110 CNC
SPACIFICATION		
WORK SPACE		
Centre Height	mm	110
Stroke	mm	350
Admit Between Centre (ABC)	mm	300
Max. wt. of Work (Between Centre)	kg.	8
WORK TABLE / SLIDE		
Position / Movement by Swivel	Servo Motor	
	Deg.	+ 8.5
		- 4.5
Min. Feed Resolution	mm	0.005
WORK HEAD		
Spindle Support	P4 Class Angular Contact Brg.	
Lubrication	Grease Packed	
Speed - Range	RPM	10-700
Speed - Variation	-	Stepless
Drive Motor (A.C.)	HP	1.0
Nose Taper	-	MT4
Swivel	Deg.	+ 90
		- 30
WHEEL HEAD : SLIDE		
Support	Cross Roller Linear Bearings	
Min. Feed Resolution	mm	0.001
Movement by	Linear Servo Motor	
WHEEL HEAD : EXTERNAL		
Spindle	Cartidge Type	
Spindle Support	P4 Class Angular Contact Brg.	
Accuracy (TIR)	mm	< 0.003
Wheel Size	mm	300 x 25
Drive Motor	HP	2.0
Cutting Velocity	M/Sec.	35
WHEEL HEAD : INTERNAL		
Spindle ODxL	mm	60 x 200
Speed STD / Optional	RPM	17000 / 35000
Drive Motor : AC	HP	1.5
TAIL STOCK		
Nose Taper		MT3
Stroke	mm	25
ACCURACIES		
Live Centre TIR :	mm	0.003
: Optional	mm	0.001
Straightness	mm/300L	0.005
Cylindricity	mm	0.002

WORK SLIDE : The table runs of fine, hand scrapped PTFE composited lined lubricated "V" and flat guideways. Travel is by Servo Motor.

WORK HEAD : Has AC Drive permitting stepless speed variation. Work-Head spindle is supported on super precision (ISO - P4) Bearing Providing exceptionally high running accuracy & rigidity. It is Grease packed for life of Bearing.

WHEEL HEAD : Wheel head slide moves on preloaded liner bearings. This guarantees absolutely stick-slip free movement and repeat positioning accuracy. Wheel spindle is supported on super precision (ISO:P4 Class) antifriction bearings. Internal Grinding Head is interchangeable with External Grinding Head. Minimum feed resolution is 0.001 mm (one micron). Feed /positioning by Liner Servo Motor. This Machine is also available as only Internal Grinding Machine.

TAIL STOCK : The ram is carried in precision honed sleeve and is kept under adjustable spring load. optional pneuamatically operated.

ELECTRICAL & CONTROLS : CNC based Controls. AC Servo Motor for slide feed and positioning. Direct Drive Linear Servo Motor for wheel slide. Optical linear scale for slide posiotion feedback. EazyGrind proprietary solution for programmer-less operation. On-line UPS.

STANDARD EQUIPMENT (Ext.) : Wheel-Flange with Grinding Wheel (Mounted on the machine), Wheel Flange Remover, Wheel Balancing Arbor, Dead Centres (2), Related Hydraulics, Electricals, Coolant System, Set of Service Tools & Operator's Manual.

OPTIONAL EQUIPMENTS : Wheel Flange, Wheel Balancing Stand. Angle Dressing Device, Diamond Roller Dresser, Work Holding Devices. Magnetic Sperator for Coolant, online UPS.

CONFIGURATIONS AVAILABLE :

- (1) EXTERNAL ONLY
- (2) INTERNAL ONLY

NOTE : The above specifications are subject to confirmation by our order acceptance.



LAVINGIA ENTERPRISE

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