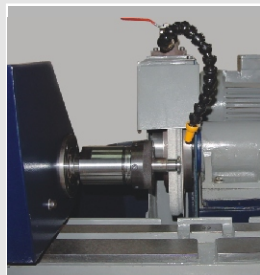


CYLINDRICAL GRINDING MACHINE

CLG : 110



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
SPECIFICATION		
WORK SPACE		
Centre Height	mm	110
Stroke	mm	350
Admit Between Centre (ABC)	mm	500
Max. wt. of Work (Between Centre)	kg.	12
WORK TABLE / SLIDE		
Movement by	Hyd.	
Min. Stroke	mm	10
Swivel	Deg.	+ 8.5 - 4.5
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	0.75
Nose Taper	-	MT4
Swivel	Deg.	+ 90 - 30
WORK HEAD : SLIDE		
Support	Cross Roller Liner Bearings	
Min. Feed Resolution	mm	0.001
Rapid Retraction - Hyd.	mm	25
Rapid Positioning Error	mm	< 0.002
WORK 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
WORK HEAD : INTERNAL		
Spindle ODxL	mm	60 x 200
Speed STD / Optional	RPM	17000 / 35000
Drive Motor : AC	HP	1.5
TALL STOCK		
Nose Taper		MT3
Stroke	mm	25
ACCURACIES		
Live Centre TIR : STD	mm	0.003
: Optional	mm	0.001
Straightness	mm/300L	0.005
Cylindricity	mm	0.002

BED : Fine grained grded C.I. extensively ribbed box structure provides very high rigidity. The table runs of fine, hand scrapped lubricated "V" and flat guideways.

WORK SLIDE : Travel is effected by Hydraulic cylinder. Speed can be infinitely varied. Table stroke can be varied by means of dogs provided on the tables.

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.

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) antifriction bearings. Internal Grinding Head is interchangeable with External Grinding Head. This Machine is also available as only Internal Grinding Machine. Grinding Feed is manual. Minimum feed resolution is 0.001 mm (one micron).

TALL STOCK : The ram is carried in precision honed sleeve and is kept under adjustable spring load.

HYDRAULIC POWER PACK : Hydraulic power pack is housed outside the machine. Thereby the thermal effect on the machine is eliminated.

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

OPTIONAL EQUIPMENTS : Wheel Flange, Wheel Balancing Stand. Angle Dressing Device, Radius Dressing Devices. Work Holding Devices. Magnetic Separator for Coolant, Diamond Roller Dressar.

CONFIGURATIONS AVAILABLE :

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

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



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LAVINGIA ENTERPRISE

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