



Handy Surface Grinding Machines



with fixed table LB / LF

Model LB has a stout cast iron column mounted on adjustable taper roller bearings, and a motor of 2.2 KW (3HP) allows precise grindings of surfaces. Model LF 350 consists of a stiff monolithic structure arm, which allows making the best use of the power of the wheel motor. Considerable removals and very careful finish are thereby ensured on full work plane. The fixed table grinding machines LB 300 and LF 350 can be equipped with different types of magnetic chucks:

- permanent (L14, L14S, L 15 and L15S)
- permanent with very dense polarity (L 18)
- electro permanent with electronic adjustment of the magnetic flux density (L 14E and L 15E).



with rotating table LC

The LC machines have a stout monolithic structure of cast iron of the best quality, provided with a column holding arm in order to give the maximum stiffness to the machine. The rotating table is controlled by asynchronous three-phase bipolar motors. Thanks to these motors the table can rotate at a considerable speed and ensure perfect grinding. In case of particular workings in which different rotation speeds of the circular table are required, the grinding machine can be equipped with an electronic speed variator, allowing stepless variations with digital display showing the set speed. The belt drive ensures a regular rotary motion, without slipping and vibrations; thus very precise working and excellent finishing, also with high removals, are obtained. Special adjustable taper roller bearings allow to work very heavy pieces and to reset easily the geometric trim of the machine. All machines with rotating table are provided with an electro permanent magnetic chuck, complete with a control unit of the magnetic flux intensity and different diameters.



with swinging table LP

This particular model with oscillating table shows some innovative technical features that make it really unique. The kinematic mechanism takes the oscillating motion of the manually driven head wheel and causes the synchronized motion of the worktable. Such synchronized movements keep the vertical axis of the spindle constantly aligned with the longitudinal axis of the table, allowing perfect grinding operations. The geometrical trim of the machine is always perfectly adjustable and thanks to the use of special taper roller bearings it takes high loads. The LP grinding machine has an optimized monolithic structure provided with a stout stiffening arm of the column and a powerful spindle motor to guarantee very precise workings with excellent finish. This machine is equipped with an electro permanent magnetic chuck complete with electronic unit to control the magnetic field intensity.

Technical Data	LB300	LB350	LC400	LC500	LP500/200
Distance between column axis and wheel axis (mm)	300	315	315	315	315
Max distance between table-level and wheel (mm)	280	280	-	-	-
Max distance between magnetic chuck (standard) and wheel (mm)	-	-	205	205	200
Max grindable surface (mm)	140x330	155x360	Ø 400	Ø 500	500x200
Rapid feed per turn of end wheel (mm)	2	2	2	2	2
Micrometric feed by means of the small round graduated handle (mm)	0,01	0,01	0,01	0,01	0,01
Size of the cup-wheel (mm)	178x78x78	200x80x78	200x80x78	200x80x78	200x80x78
Dimensions of the abrasive segments (mm)	50x16x90	50x20x90	50x20x90	50x20x90	50x20x90
Rpm of the wheel	2840	2840	2840	2840	2840
Oscillation table	-	-	-	-	90°
Rpm of the rotating table (with L 13)	-	-	20-40 (2÷30)	15-30 (2÷30)	-
Motor power of the wheel (KW)	2,2 (3)	3 (4)	3 (4)	3 (4)	3 (4)
Motor power of rotating table (KW)	-	-	0,33-0,48 (0,45-0,65)	0,15-0,48 (0,2-0,65)	-
Electro pump motor power (KW)	0,06 (0,08)	0,06 (0,08)	0,06 (0,08)	0,06 (0,08)	0,06 (0,08)
Mass of the machine (Kg)	400	550	680	740	650
Over all dimensions of the machine (mm)	850x850x1650	1050x950x1750	1050x950x1750	1200x950x1750	1200x950x1750

Accessories:



Ajustment with Accuracy of 1/100 mm. LC model.



Semi-automatic grinding wheel dresser. All models.



Mechanical cleaner, complete with motor tank and paper filter. All models



Dust extractor All models



Inclinable head $\pm 45^\circ$ Model LC500