



BENCH HONING MACHINE

model: LB133-220V

Easy to use and very easy to install



This honing system is versatile, of low cost and can be transported where the job is required.

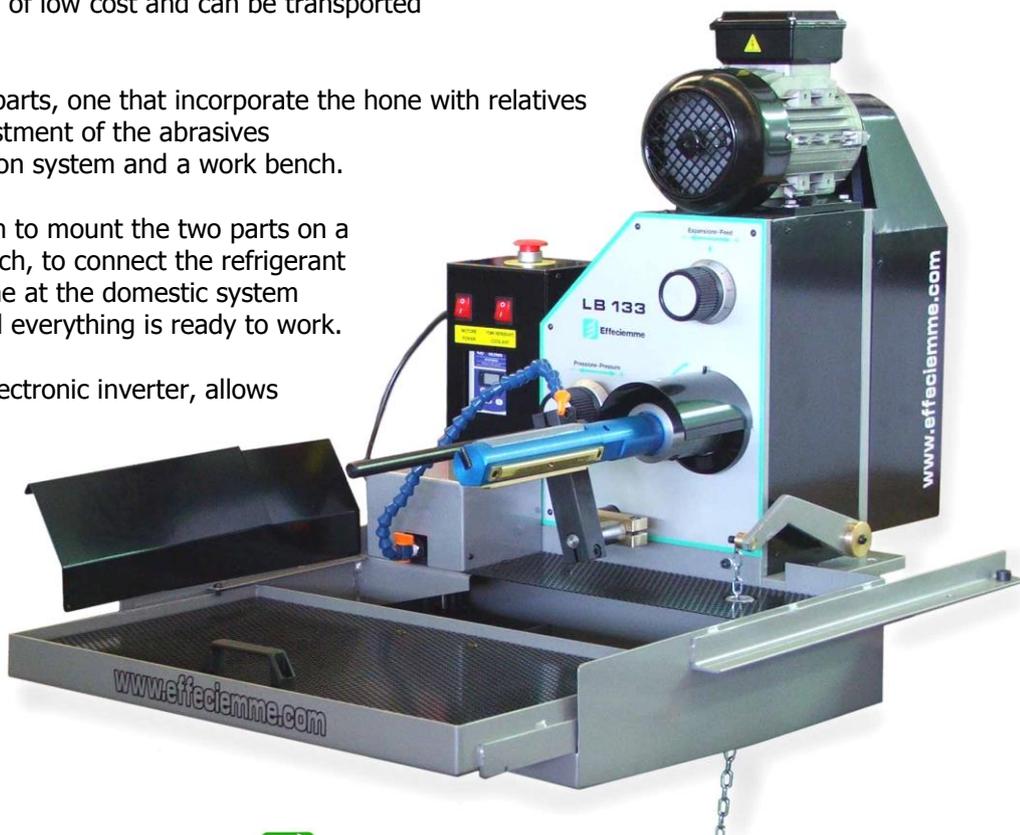
The machine is divided in two parts, one that incorporate the hone with relatives rotation systems, the expansion and adjustment of the abrasives and the other one that arrange a lubrication system and a work bench.

The installation is very easy.... it is enough to mount the two parts on a suitable shelf or on a very usual work bench, to connect the refrigerant electric pump plug, to connect the machine at the domestic system (220V and/or 110V – Single-phase) ... and everything is ready to work.

The rotation speed, controlled using an electronic inverter, allows to have a range from 0 to 800 RPM.

This allows the working of a wide range of diameters, in fact they are available hones from 9,4 to 139 mm.

They are also available specific hones for kart and motorcycle engines for all displacements having the same abrasives and specification used in production and on races by some of most popular engine manufactures. Available diamond stones to hone nickel-plated cylinder liners.



EQUIPMENT

- > 4x Lateral splash guard panels
- > 1x Security bar
- > 1x Engine Carter
- > 1x Pedal complete with chain
- > 1x Electric pump 220V Single-phase
- > 1x Regulate coolant
- > 9x Litres of honing oil
- > 1x Technical Characteristics Document for oil



ON REQUEST

- > Hones of different types for \varnothing 9,4 – 139 mm
- > Hones for Kart engines with Long stone (150mm)
- > Hones for Kart engines with Short stone (80mm)
- > Measuring Instruments (Deal Bore gage an micrometers)
- > Work bench arranged for the machine fixing (overall dimensions: mm 745 x 1000 x 900 H)

HONING MACHINE OVERALL DIMENSIONS

- > Width: 660 mm (max)
- > Depth: 1020 mm (max)
- > Bench height: 610 mm
- > Machine weight, Head: 80 Kg
- > Bowl: 15 Kg



TECHNICAL CHARACTERISTICS

- > Working capacity: \varnothing 9,4 – 139 mm
- > Hones speed rotation controlled by Digital Electronic Inverter
- > Hone rotation speed: 0 – 800 g/m'
- > Rotation Speed Increasing/Decreasing: 1 RPM
- > Feeding: 220 Volt 50 Hz Single-phase
110 Volt 60 Hz Single-phase
- > Main engine: 0,37 Kw
- > Pump engine: 0,06 Kw
- > Direct expansion by frontal wheel
- > Abrasives pressure controlled by Frontal wheel
- > Spindle clutch like Sunnen
- > Separated control of electric pump
- > Well for Decanting Honing oil
- > Tank to recover Honing oil (cap. 9 litres ab.)
- > Extractable Bowl
- > Machine structure and tub in painted metal
- > Available colour: Red 3002, Blue 5010, White 9010, Yellow 1023, Green 5021, Silver 9007, Black 9005
- > Work bench dimensions: Depth: minimum 600 mm
Width: minimum 850 mm
Height: 900 mm advised

Dimensions, weight and technical characteristics can be modified without notice.

Honing is a system very used to rectify and correct pieces with internal diameters that have suffered malformations or that need an additional operation after a first working.

The honing efficiency produce a great precision on geometric technical characteristics on finishing of pieces surface. Generally, it can be used to rectify motorcycle cylinders, kart engines, rotary hoe, lawn mower, gears, connection roads, injection pump, hydraulic valves and distributors, etc.

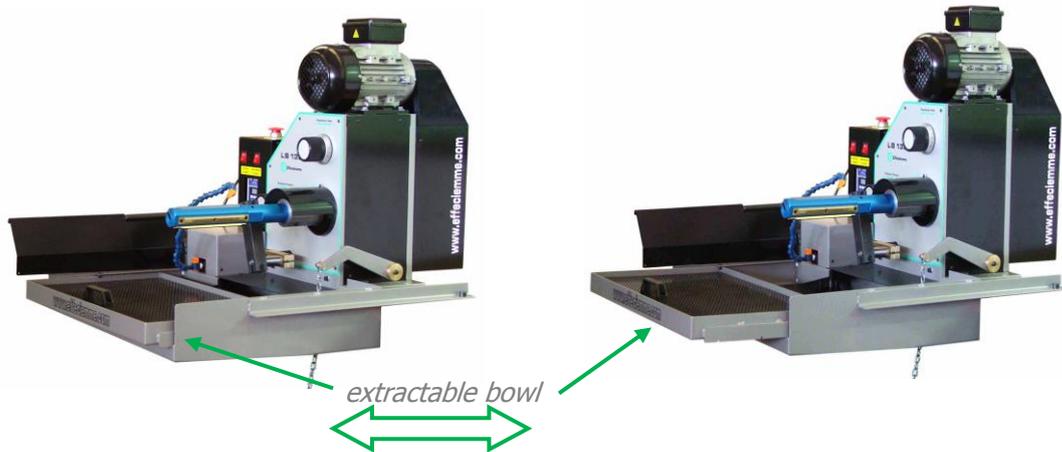


The bench honing machine is a compact unit where the piece to work is kept by hands and inserted in the hone. The material is removed by the action that the abrasive practises on the internal surface, obtained by the expansion with the longitudinal movement.

The hone rotation is controlled by a pedal that automatically "feeds" the abrasive stone and keep it in pressure against The internal surface of the piece during working.



This unit have all needed characteristics to obtain a very high precision and, at the same time, includes a lubrication system that helps to quicken cut, improve the finishing, extend the abrasives life and make working much more clear and clean.



The extractable tub to recover oil, make it easier the working of long pieces

It is so easy to use this machine that mechanics and operators with little experience can obtain very good results.

Photo gallery:



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