



PORTABLE HONING MACHINE

Economic model: **LPM900**



Easy to use, to install and very easy to transport

It has been studied for little budget. The portable honing machine model **LPM900**, is a good alternative, above all for its low cost, to the *manual hones* to apply to the portable drills or bench drills.

Indeed, even if it is not an honing machine complete with all technical requirement, it however has the essential characteristics to obtain very good results so it is a good solution to hone motorcycle and kart cylinders.

The pedal switch for the operation of the engine, the Lateral Level that allows the dropping of the expansion to make easier the inserter of cylinder on the hone, the ring for the abrasives expansion putted in favourable position, arrange that the machine is very easy to use.

The tub to recover honing oil is an integral part of the machine structure and it has the capacity of 5 litres.

The honing oil is fed by a mechanical pump connected to the engine by an OR ring with a properly sized.

The refrigerant system is completed by two lateral splash guard panels.

Besides on work-shop, the little dimensions make easier the transport on vans so it can be used also on race.

The engine is fed at **220 Volt Single-phase**, so it can be used with an usual domestic voltage or with a standard petrol or diesel oil generator. Available also for **110 Volt, 60 Hz Single-phase** feed.

It has spindle clutch like Sunnen with a wide range of hones available: from 9,4 to 139 mm (*). They are available specific hones for kart engine with long and short stone for all displacement. They are available abrasives with the same specifications used in production and on race by some of most popular engine's builders. They are also available **diamond abrasives to hone nickel-plated cylinders**.

EQUIPMENT

2x Lateral splash guard panels
1x Security bar
4x Antivibrating legs
1x Engine carter

1x Integrated Tub to recover honing oil – cap.5 litres
1x Regulate coolant
5x Litres of honing oil
1x Technical Characteristics Document For Oil

ON REQUEST

> Specific hones for kart engines



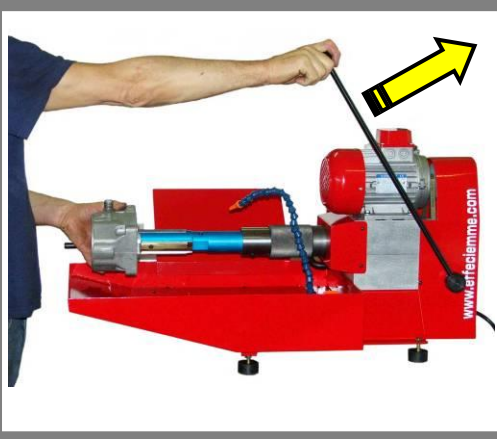
> code: **CY48**
Mandrel with Long Stone (150mm)



> code: **CY44 & CY56**
Mandrel with Short Stone (68 & 80mm)

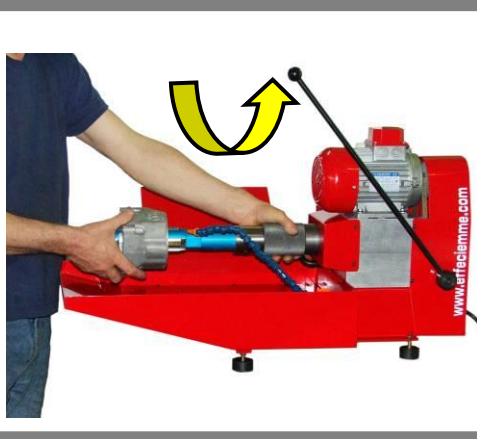


- > Hones for Ø 9,4 – 139 mm
- > Measuring Instruments (Dial Bore Gages 30 – 100 mm, Micrometers 0 – 75 mm)
- > 1x TW150R: Bench complete with tool holder drawer, arranged for the machine fixing (overall dimensions: mm 480 x 430 x 855 H – Kg 30 about).



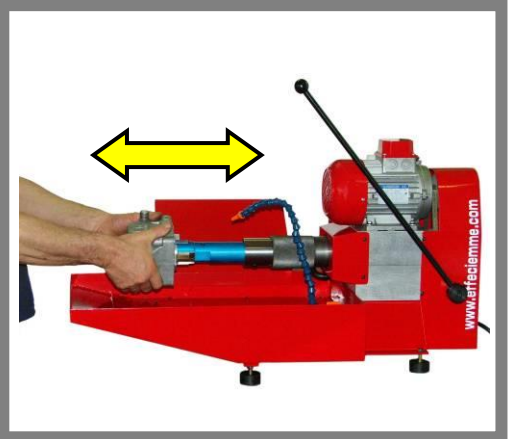
1] CYLINDER INSERTION

To insert the cylinder into the hone move the Level in the high direction; in this way the abrasives return allowing the insertion.



2] ABRASIVES EXPANSION

With the hone stopped, rotate in **anticlockwise direction** the ring situated behind the mandrel clutch.



3] CYLINDER HONING

Keeping the cylinder with two hands start up the hone rotation by the pedal switch. Move the cylinder along the longitudinal axis of hone.

N.B.: The operation **1]** and **2]** have to be effected strictly with stopped hone

TECHNICAL CHARACTERISTICS

- > Working capacity: Ø 9,4 – 139 mm (*)
- > Hone rotation speed: 280 g/m'
- > Feeding: 220 Volt 50 Hz Single-phase
110 Volt 60 Hz Single-phase
- > Main engine: 0,25 Kw
- > Main engine controlled by Pedal switch
- > Security switch (red mushroom)
- > **Abrasives expansion: Direct by Frontal ring**
- > **Lateral Level for abrasives dropping**
- > Security bar
- > Spindle clutch like Sunnen
- > Integrated Tub to recover honing oil (cap. 5 litres)
- > 2x Lateral Splash guard panels
- > Structure in painted metal
- > Available colour: Red 3002, Blue 5010, White 9010,
Yellow 1023, Green 5021, Silver 9007, Black 9005

OVERALL DIMENSIONS

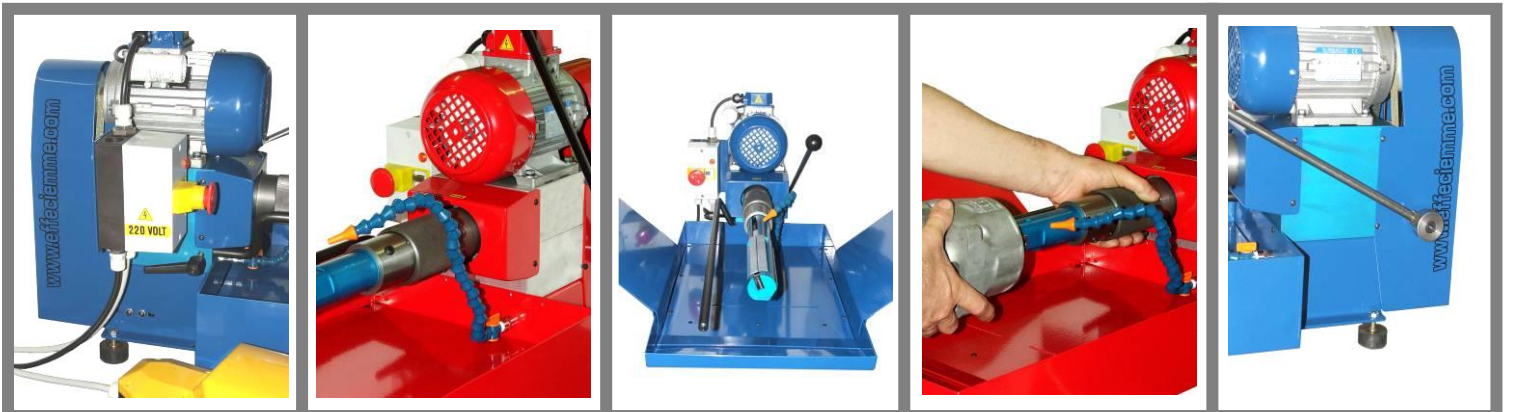
- > Width: 350 mm
- > Width with Lateral splash guard panels: 690 mm
- > Depth: 845 mm
- > Height: 470 mm
- > Machine weight: 35 Kg
- > Machine weight complete with:
- Honing oil: 41 Kg about

(*) The spindle clutch like Sunnen allows to mount mandrels to hone the indicated diameters.

But this working capacity is limited by the availability of only one rotation speed.

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

Photo gallery:



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DEALER

