

**PWS 900****VGP 1200****PTR 1600**

LINE BORING MACHINE FOR CYLINDER HEADS AND BLOCKS
ALÉSEUSES EN LIGNE POUR CULASSES ET GROUPES CYLINDRES
LINIE FEINBOHRMASCHINE FÜR ZYLINDERKÖPFE UND BLÖCKE
BARENATRICE ORIZZONTALE TESTATE E MONOBLOCCHI
MANDRINADORA HORIZONTAL DE CULATAS Y BLOQUES

LINE BORING MACHINE FOR CYLINDER HEADS AND BLOCKS

The new Line Boring Machine HBM 810 is specially designed for reconditioning the camshaft bearing positions in cylinder head blocks, whether through or dead-end type (blind axis), but it also provides excellent results in the reconditioning of crank shaft bearing positions in in-line or "V" cylinder blocks of automobiles or light trucks.

The boring bar is hold by three sturdy, movable arms which offer high rigidity while machining, whilst perfect and quick initial centering of the workpiece respect to the boring seats is allowed thanks to fine adjustment knobs, either in height and cross movements, assisted by a pair of centering devices complete of dial indicators.

The versatile and useful fixture simplify and speed-up the clamping operation of any kind of cylinder heads and blocks.

The boring bar variable rotation speed can be infinitely adjusted thanks to the inverter complete of digital read-out which displays always the correct working speed.

EXTRA EQUIPMENT

Centering and boring a dead-end cylinder head block using the special optional device :

- Centering device for dead-end cylinder heads blocks, less comparater
- Short Chromed boring bar, L = 300 mm with extension bar and tool fixing screws
- Boring bar kit Ø 18 mm, 19 – 47 mm capacity, including arms and centering device
- Boring bar kit Ø 30 mm, 35 – 100 mm capacity, including arms and centering device



STANDARD EQUIPMENT

- Continuous variable spindle rotation speed
- Basement with drawers
- 3 Boring bar supporting arms
- 2 Parallel support assy., with vertical and horizontal adjustment
- Dia. 24-85 mm Chromed boring bar Ø 23 mm, L = 800 mm, complete with tool fixing screws
- 5 Boring tools (brazed)
- Dia. 50-85 mm Ring-type Toolholder for blocks
- Universal head clamping fixture
- 2 Centering fixtures with dial gauge micrometer
- 1 Tool setting fixture, less Dial gauge
- 1 Dial gauge with micrometer
- Set of spanners
- Instruction Manual

SUGGESTED REPLACEMENTS

- Tool Holders and carbide Inserts for boring

SPECIFICATIONS	HBM 810
WORKING CAPACITY	
Max. cylinder head or block length	810 mm
Max cylinder head or block width	300 mm
Boring capacity : min. and max dia.	24 - 85 mm
Boring bar length	810 mm
Max spindle travel	100 mm
Min - Max distance from parallels to bar	45 – 295 mm
Precision manual feed (per division)	0,01
SPEEDS	
Variable spindle rotation speed	250 – 1000 rpm
Variable spindle traverse rate	0 – 1000 mm/min
Feed motor power	0,50 HP
DIMENSIONS (L x W x H)	
Weight approx.	385 kg
Weight approx. ocean packing	550 kg

Specifications, Standard & Optional Equipment Are Subject To Change Without Notice.



AUTOMOTIVE MACHINE TOOLS

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