

# WGM

## WAVECUT GRINDING MACHINE

Portable machine for in-situ use wavecut grinding.

- For liners 500 - 980 mm diameter bore
- Overhauling of MAN 2-stroke diesel engine liners
- Machining process within time for piston overhaul
- Air driven motors
- Self-centering machine frame on top of cylinder liner
- PLC-controlled grinding depth feeding system
- Cooling water system for liquid supply
- Automatic stop after completed operation

# WGM

## WAVECUT GRINDING MACHINE

- MACHINE CAPACITY
- NORMAL GRINDING TIME

- AIR PRESSURE
- AIR CONSUMPTION
- AIR HOSE CONNECTION
- ELECTRIC POWER SUPPLY
- FEEDING INDICATION

- WEIGHT
- MAX DIMENSIONS  
ENGINE TYPE 50MC  
ENGINE TYPE 60MC-70MC  
ENGINE TYPE 80MC-98MC

CYLINDER LINER BORE 500 - 980 mm  
DEPENDENT OF ENGINE SIZE AND AMOUNT OF MATERIAL TO BE REMOVED, BUT NORMALLY 2 - 5 hrs

0.6 - 0.9 MPA (6 - 9 bar OR 85 - 130 psi)

100 m<sup>3</sup>/h, (1700 l/min or 60 cu ft/min)

16 mm (5/8")

1- PHASE 220 - 240 V 50/60 Hz

0.01 mm BETWEEN LINES ON FEEDING INDICATOR WHEEL

220 kgs

H: 1075 mm, Ø 610 mm

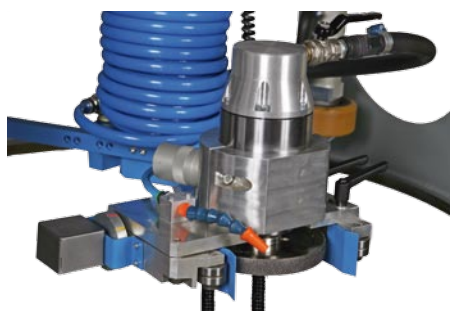
H: 1075 mm, Ø 780 mm

H: 1075 mm, Ø 1060 mm



### Remote control panel

Feeding system with high resolution.



### Powerful grinding motor

Grinding with high capacity CBN grinding wheel.



### Reliable, approved by MAN

Designed for use on cylinder liners. Cost efficient machining on site. Specific mounting adapters at top of the liner. Excellent machine stability gives perfect machining precision.



### The inner surface of the cylinder liner

Restored by changing a polished or damaged cylinder liner surface, to a tribologically improved condition known from new cylinder liners (wavecut pattern).

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