

Automatic Honing and Deglazing Machine

CHRIS-MARINE® HON 2A

Fully automatic electric honing and deglazing machine for restoration of slow speed engine cylinder liner geometry and surface structure.



Product features

- Honing rectifies the circular shape of the liner, removes scuffing marks and restores surface cross pattern
- For liners 500 - 1000 mm bore
- Fully automatic operation
- Easy to operate directly on the engine
- Can be used directly on liners outside engine with optional fastening equipment
- Honing head with detachable stone holders
- System for continuous supply of honing liquid

High honing capacity:

- Powerful electric driving unit
- Powerful electric hoist
- Adjustable stone pressure

NEW!

- Fully automatic operation
- Pre-assembled rig:
 - minimizes setup time
 - makes setup even safer
- One rig fits all bore sizes
- Automatic stroke control included as standard

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Handheld controller

Handheld controller for all functions and settings to facilitate honing. Synchronised electric hoist and drive unit combined with automatic stone pressure control increases honing efficiency and enables adjustment during honing.



Surface Roughness Measurement (optional)

Use the Chris-Marine SRM to verify that liner surface roughness is in accordance with engine maker's specifications.



Honing stones & honing liquid

Use original, long-lasting, Chris-Marine Honing Stones for optimal grinding result and Chris-Marine Honing Liquid concentrate for optimal lubrication during honing process.



Electric hoist & drive unit

Electric hoist and drive unit with synchronised movement from controller. An intelligent turning point algorithm ensures that no edge is generated at the turning point during the honing process.



Lubrication system (standard)

Electric lubrication system operated from handheld controller.

Due to their principle of operation (e.g. due to integrated mains filters, mains units and capacitor banks), frequency inverters generate leakage currents. For the correct operation of frequency inverter on a current-sensitive RCD, the use of an all-current sensitive earth leakage circuit breaker (Type B) compliant with EN 50178 / VDE 0160 is necessary.

No work platform included. The user must ensure that local safety regulations are fulfilled.

Technical specifications

General information	
• Total weight	Approx. 590 kg
• Electric power supply	3 phase 380/420 V 50/60 Hz
• Power requirement	3.3 kW
• Air supply	6-9 bar (0.6-0.9 MPa or 85-130 psi), 2l/min
• Working range	500 - 1000 mm
• Surrounding temperature	0-45°C
• Noise level	84 dB(A)
• Honing liquid	We recommend using Chris-Marine Honing Liquid to achieve optimal honing results.
Honing head	
Working range	Type P2, 8-arms
• 450 - 610 mm	P2 45/61
• 580 - 740 mm	P2 58/74
• 700 - 850 mm	P2 70/85
• 840 - 1000 mm	P2 84/100

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