

The New Generation

SHM Stationary Honing Machine for Cylinder Liners up to 640 mm Bore Diameter

The Key Features

- ★ **Air powered honing.**
Powerfull air motor for rotary motion of honing head, air hoist for stroke motion and, as an unique feature, air cylinders for stone feeding.
- ★ **Superior control.**
Manual buttons are provided for fine adjusting setting of honing head RPM, stroking rate and stone feeding pressure.
- ★ **Pressure gauges**
for displaying the selected setting of honing head RPM, stroking rate and stone feeding pressure.
- ★ **Two-hand control actuation**
to protect the operator according to the stringent EC safety regulations.
- ★ **Automated stroking**
between adjustable end stops.
- ★ **Wiper-type stone contact**
for superior honing performance.
- ★ **Honing liquid reservoir**
mounted on casters for ease of loading and unloading the cylinder liner.
- ★ **Advanced design.**
Only three honing heads for liners from 150 up to 640 mm bore diameter.

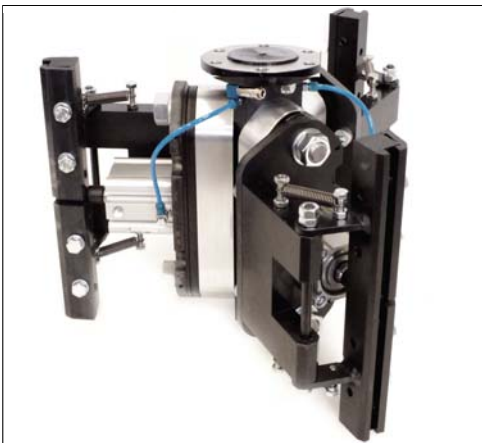


Hunger SHM

Stationary Cylinder Liner Honing Machine



Central control panel.



Sturdy honing heads.

Honing heads are available for honing bore diameters from 150 to 250 mm, from 240 to 340 mm and from 320 to 640 mm.

Each honing head can be easily set to the required honing diameter by inserting spacers between the central shaft and the stone pressure actuators.



Honing liquid reservoir

baffled tank design mounted on casters for ease of cylinder liner loading and unloading.

Features:

Rotary motion and linear stroke motion of the honing head are infinitely variable through simple regulation of air supply to obtain the desired crosshatch surface pattern.

Stone pressure is also infinitely variable through regulation of air supply to the stone pressure actuators.

The central control panel is equipped with regulator valves combined with manometer gauges for selecting the speed of the linear stroke motion, the rotary speed of the honing head and the stone contact pressure.

Thus, the pressure settings which once proved as resulting in perfect surface finish, can be repeated time and again.

The stone holder units of the honing head are swivel-mounted for superior wiper-type honing performance.

When air supply to the stone pressure actuators is shut off, the stone holders will be retracted so that vertical scratches in the cylinder liner wall can be avoided when the honing head is lifted into or out of the cylinder liner bore.

Automated stroke motion of the honing head between adjustable end stops ensures efficient honing and superior results.

The honing liquid is supplied to the honing site by an electrical pump and collected in a reservoir which also acts as support for the cylinder liner to be honed.

The reservoir is designed as a drawer which can be drawn out for ease of loading and unloading the cylinder liner.

Specifications:

Capacity:	Type 320	Type 640
Honing diameter range	150 - 320 mm	150 - 640 mm
Max. stroke length	1300 mm	
Feed motions:		
Speed range of honing head	20 - 70 rpm	
Stroke speed	up to 19 m/min	
Air supply:		
Air supply pressure	6-10 bar	
Air consumption	up to 3,7 m ³ /min	
Electrical supply:		
Standard supply voltage	400 V±10%, 3ph, 50/60 cycles	
Rated current	0,52 A	
Dimensions and Weight:		
Length/Width/Height	1400/2000/3900 mm	
Net weight	600 kg	690 kg
Shipping case:		
Length/Width/Height	2200/1700/1850 mm	
Shipping weight, approx.	950 kg	1000 kg

Technical alterations reserved.

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