

# Powerhone

## A versatile and robust vertical honing machine

- Appropriate for wide and heavy parts
- Powerful hydraulic stroking
- Increased rigidity from structure
- Improved changeover
- Better stroke repeatability
- Short stroke capabilities enhanced
- Ability to dwell at any point
- Cycle timer
- Fixed operator control panel
- Removable honing oil tank located in the frame to be more compact and easy to maintain
- Optional automatic feed
- Optional universal fixtures



# Technical data

## Electrical Equipment:

Standard electric supply:	380-420 V, 3 phases, 50 Hz 220-240 V, 3 phases, 50 Hz Other voltages available on request
Control Voltage:	24 VDC

## Feeding System - Stone Management

Stone feeding system: Two types of feed system are available

- As standard element, the friction feed unit is supplied. The operator will drive the feed by rubbing the expansion wheel  
At the end of the cycle the retraction wheel will be manually operated
- As optional device, an automatic friction system allows the machine to work alone without the operator. This unit works as a disc braking system

## Capacity

Standard diameter range: 25.4 to 368 mm  
For other diameter ranges, please consult Delapena

## Spindle drive

Spindle speed:	Infinitely Variable	40 to 250 RPM
Spindle motor:	Power 1.5 kW With disco-variator type IEC 90-4 air cooled motor	

## Stroking drive

Stroke length:	Below are shown maximal honing length depending on diameter worked	
	Diameter:	Honing length:
	25.4 mm	400 mm
	31.8 mm	520 mm
	38.1 mm	604 mm
	44.5 mm	660 mm
	50.8 mm	750 mm
	57.1 mm	812 mm

## Miscellaneous

Hydraulic power of the stroke:	Hydraulic gears pump with 1.5 kW working at 36 bars and producing infinitely variable stroke speed up to 20 m/min
Honing fluid filtration:	Pump and cartridge filter with 64 litre tank
Overall Dimensions:	
• Width:	1.3 m
• Height:	1.8 m
• Length:	2.458 m (2.5 m)

All dimensions approximate. Due to our policy of continuous product development we reserve the right to change any specification without prior notice