

BULL 3500

Face polishing and brushing machine

Bull 3500 grinding machine is optimal surface grinding machine for various shape tombstones, concrete and thin plates.

The massive steel construction guarantees a non-vibrating, high quality grinding result. The special constructional demands characteristic for stone machinery, have been carefully taken into consideration already at the planning stage. Especially guides, bearings, guards and corrosion protection have been precedence. All the mechanical solutions are stated good at practice.

The controls, functions and operating itself has been developed together with the professional workers in the stone industry. This means that interface etc. are very easy to use and the user's point of view has been expressed in that all the way! The graphic display on the control panel shows very clear and illustrative. Therefore the information is extremely easy to set and read. The important parameters will not be forgotten by the operator.

All settings the stone positions and dimensions (even up to 10 different workpieces as standard) is easily and quickly done by teach-in.

The straight edge of the stone is set facing the operators side, otherwise the stone can be of various shapes.

For rectangular workpieces only two crosswise points are needed!

The shape of the stone is followed with the joystick, and the reference point is pointed by water stream. These teach-in points are given by pushing the teach-in button.

The remote acces is also as standard. The user can call Kasins CustomerSupport, which thereafter takes direct contact through the ethernet with the *Bull 3500* control unit and communicates directly with it. (customer must have an ethernet connection to the machine)

The *Bull 3500* sets new standards for polishing machinery:

- Quick to install.
- Reliable control and clear display; easy to use.
- Flexibility in production and multiple functions
- Strongly build construction.
- Reliability and high quality polishing results with good capacity.
- Beneficial, moderate level investment also at long sight.
- Customer support easily accessed by the ethernet.

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POLISHING MACHINE

Technical data:

Spindle speed	450	r/min
Polishing head diameter	450	mm
No of abrasives, Frankfurth	6	pcs
Spindle power	18,5	kW
Adjustable pressure(down)	0...6	bar
Adjustable pressure(top)	0...6	bar
Spindle stroke	160	mm
Spindle movement	air pressure (up and down)	
Vertical movement	300	mm
Vertical movement	trapetze shaft	
Total vertical movement	460	mm
Vertical guides	round shaft + glide bearings	
Bridge travel speed	1...12.5	m/min
Bridge movement guides	rails	
Bridge movement	tooth bars on both sides	
Support movement guides	linear ball rail	
Support movement	tooth bar	
Carriage travel speed	1...9	m/min
Grinding width	3500	mm
Grinding length	8000	mm
Space requirements:		
width	5300	mm
length	10000	mm
height	2200	mm
Power requirement	21	kW
Water supply	20	ltr/min
Air pressure	6	bar
Total weight ca.	4000	kg
Operating voltage	5 wire (3P+N+G), 400/230V ±10%, 50Hz.	
Ambient temperature	+ 5 ... +35 °C	
Machine colour	Grey (RAL9002)	
The machine is CE marked.		

Documentation

On clients language incl.: Shortcut instructions, operating and maintenance instructions, spare parts list.

Foundation (provided by the Customer)

Reinforced concrete foundation for upper rail and grinding bed. Brackets for fastening of the upper rail. Lower rail is fastened to the floor with adjustable brackets.

Both rails are cast after the final adjustment.

The grinding bed is calibrated straight with diamond- plate at the installation of the machine.