



Completely Automatic Electronic Sawing Attachment

Specification

Weight	: 1.6 Kgs.
Dimension	: 210L x 95W x 73H mm
Supply	: 220 VAC, 50 Hz, 1 Phase
Load	: 15 VA

Benefits

- Flat Mirror finished table and absence of screw effect increase the yield by 1.5% to 3%.
- Flat table reduces table polishing time by 50%
- 3 to 8 time faster production is not a dream. Not a single second is wasted during process.
- Constant pressure avoids stone breakage, blade breakage and wavy table.
- Pressure on blade measured by the load cell and displayed on digital display.
- Vibration caused from touching the screw is eliminated.
- Avoids stone separation before completion. And avoids point breakage.
- Electronic intelligence residing inside the remote controller unit keeps the total control of the process, and lowers the arm only if diamond gets cut.
- Continuous monitoring of the process immediately identifies presence of any hard spot, pique or nats and informs the operator.
- Allows use of thinner blades resulting in additional savings.
- Single operator can attend up to 50 machines.
- Eliminates dependability on operator's skill and expertise.
- Less strain on the operator and hence higher efficiency and higher production.

Operating Instructions

- Lower the arm such that the lowering screw rests on the floating pad of the sawing unit.
- Raise the platform by turning the black knurled knob in anticlockwise deduction.
- Descend the platform by turning the black knurled knob in clockwise direction by around a quarter turn. Adjust the counter weight to set required pressure of sawing.
- Lower the sawing arm to bring the diamond close to sawing blade
- Keeping the sawing attachment off, make a small kurf in diamond at the required place, while lowering the arm.
- Once a kurf of required size is formed, raise the arm by using the arm lowering screw.
- Reset the pressure reading by pressure reset switch.
- Align the blade with the sawing line and switch on the attachment.
- As the pressure on the floating pad is positive (contact is ON) the attachment will start lowering, bringing the diamond in contact with the blade. The process indicator will remain ON, when the arm is lowering.
- The negative value of pressure indicated on the display is the pressure exerted by diamond on the blade.
- The platform will lower by a few microns after the diamond touches the blade, creating a small amount of pressure for cutting the diamond. After this lowering, the motor will stop (the process indicator will turn OFF.) If within preset minutes (selectable from 0.1 to 9.9 min. depending on switch selection) the diamond does not get cut by the present pressure value, the Red light indicator will come ON, indicating the diamond has stopped cutting.