



## Solution for bruting Marquise, Pear and Oval

### Specifications

- Weight : 45 kg (Excluding computer system)
- Dimension : 750 X 600 X 550 mm (Excluding computer system)
- Supply : 220 VAC, 50 HZ, 1 Phase
- Load : 500 VA
- Lighting : 220 V AC
- Computer System : Standard PC Platform

### About the Machine

#### **This is an Automatic Fancy shaped diamond Bruting Machine:**

- The Rough Make-able diamond with tentative table will be glued to the die pot, which will be mounted on the machine spindle. The machine will first perform the planning process on the rough diamond and suggest the various possible shape and size of the finished diamond from the rough. It will also indicate the possible selling price of each of the finished diamond based on the international price data. The operator can decide for one of the alternative suggested by the machine. Then the machine goes into bruting mode where the centre of shape generating curve will be defined. The machine is more or less like a CNC Turn-Mill Centre, where the measurement is done live while the processing is in progress, with a non-contact type measuring technique using live video from two location, judging the size and shape of finishing diamond. The machine also generates various cutting parameter to be reproduced on the rough diamond, in order to get the estimated recovery in terms of finished weight.

### Advantages

- This Machine will help in optimisation of Finished Diamond Size and Maximisation of value recovery.
- Also, the shape generated on these machines will be incomparable to the one processed manually, resulting in better demand and market share.
- Fancy AutoBruter is one more machine newly developed at Lexus with power of a Planner giving fruitful and immediate results.
- This is the machine in which planner is in-built & gives you the required cutting parameters & weight immediately for Fancy Shapes (Only for Marquise, Pear, Oval & Heart).
- Very easy to operate and requires very little skill and knowledge about fancies.