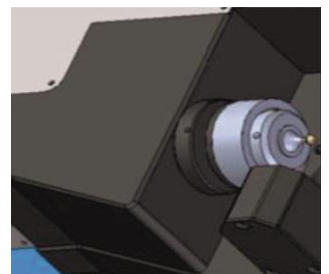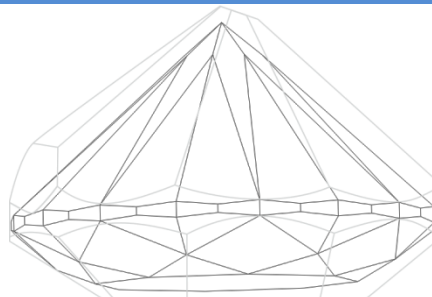# AutoBruter

LEXUS ™

Lexus once again brings you the AutoBruter of 3rd Generation
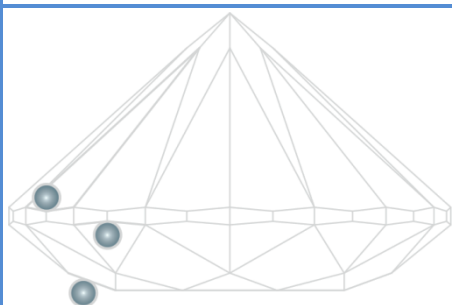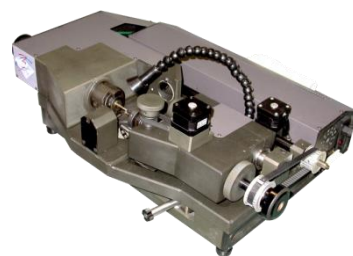
SALIENT FEATURES

- Completely Automatic modes with auto control of independent movements and feed.
- User defined pre settable cycles.
- All controls on the Computer Screen.
- Excellent beardless girdle finish with roundness better than 0.03 mm.
- Programmable stroking speed to achieve excellent surface finish.
- Programmable spinning speed of the stone to avoid fall off and control bruting process.
- Auto Control of front lighting with luminance control on computer screen.
- Ergonomically designed controls keep the operator relaxed at all the time, increasing his/her efficiency.
- Position feedback of the diamond orientation to balance naturals in halves / stars.
- Perfect judgment of tilting, if stone tilting results in better yield or balancing of naturals.

- Non-contact measuring technique with highest possible magnification results in better diameter control.
- On line centering and real time control increases yield and profit.
- Very accurate "On Machine" planning
- Accuracy of stoppage as close as 0.010 mm to 0.015mm.
- Single operator can handle up to 10 machines.
- Completely automatic and overridable controls result in better control of stones with cleavage.
- Generates report for allocation and girdle marking.
- Guides the user in selecting parameters to cut more brilliant and fiery stone. These parameters can be programmed in hot keys.
- LAN configurable for complete factory automation and true IT environment.
- Warns operator about any critical size miss.
- Shortest payback time.

- Pre-dominantly the machine for final bruting, Gives you, your dreamt beardless surface quality with excellent roundness.

- The machine is equipped with complete features of Planning, Centering and Bruting with user definable pre-selectable bruting cycles.

- This machine guides the operator to intelligently balance the naturals in halves and stars, resulting in higher yield, at the same time help him in incorporating correct combination of angles resulting in polished stone with high brilliance and fire.

1. Completely automatic Control of spindle speed, stroking speed and feed, to result in better surface finish. **Spindle Speed variable from 0 to 1200 RPM infinitely variable Controlled thru program – with override facility Stroking Speed variable from 0 to 300 strokes / min Controlled thru program – with override facility Variable Feed Pulse in multiple of 1 micron with variable time interval**

2. Excimer series Spindle bearing to result in better Roundness.

AutoBruter

3. Co-relation of 3D graph with diamond to result in perfect judgment of tilting plan, while balancing naturals in girdle.
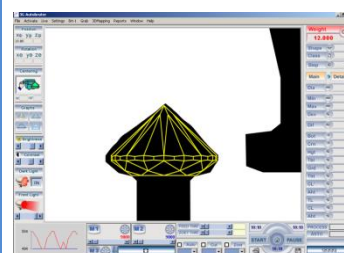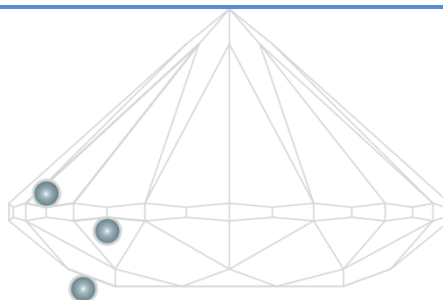

6. Ergonomically designed control reduces operators fatigue and increases efficiency.

4. 3D graph and it's Synchronization with rotating diamond help in taking decision for natural balancing in halves and stars.

7. Highly Informative, User Friendly, Graphics User Interface.

5. Rotating 3D graph helps in perfect judgment of allowance for facet junction bones.

SPECIFICATIONS

- Field of view   :User Definable (to maximize accuracy)
- Diamond Types   :Any model with precut Table-Round Brilliant Cut
- Diamond Holding   :Glued at table, Option of 8mm or 13mm spindle pot size
- Weight(W/o Comp.)   :30 Kgs.
- Dimension   :510x355x215mm (w/o Computer System)
- Supply   :230 V AC, 50Hz, Single Phase
- Load   :500 VA
- Bruting modes   :Complete automatic with user defined cycles, Time base cycles, Reverse forward mode & Zoet mode.
- Lighting   :Advance controlled DC LED light with luminance control. Auto shut off during measurements.
- Controls   :All Controls "On Screen", controllable with Mouse/Key Board.
- LAN configurability :Possible to configure in LAN with complete automation and report printing.
- Warranty   :12 Months

STANDARD VARIANTS

- 8mm + 8mm Pot Spindle
- 13mm + 13mm Pot Spindle
- 13mm + 8mm Pot Spindle

OPTIONAL ACCESSORIES

- Single Component Epoxy Glue
- Oven
- Oven Plate
- Gluing station
- Soldering Iron
- Servo Stabilizer
- Computer System
- LN Key set.