



ROBOMATIC2.0

World's First Diamond Processing Robot



Load up to 600 diamonds at once



Conveyer Belt

 **MADE IN INDIA** 

Process

Placing Diamond



Load up to 600 diamonds on the conveyor belt at once.

Automatic stone for Cutting placement with robotic arm



Stone Placement for Cutting

Stone Alignment



Quick and Automatic alignment of girdle shape marking at the setting station utilizing a secondary camera for highest accuracy.

Automatic identification of the diamond, and selection of laser cutting parameters



Fetching Cutting Parameters

Alignment



Table marking line detection and alignment through AI based machine vision system

Automatic start of the laser cutting



Laser Cutting

Detect Cutting Completion



Automatic and smart detection of the laser cutting completion

Automatic Placement of processed or rejected Diamonds in separate collection bins.



Processed Diamond Placement

Repeat



Repeat with the next diamond

Why ROBOMATIC 2.0, A MUST HAVE...



Batch operation, load it & forget it

Simply load a batch of up to 600 diamonds in single go and the ROBOMATIC takes care of the entire rest of the operations till 4P cutting



Get the best of the 4P shape & that too consistently

With ROBOMATIC 2.0, achieve the desired perfect 4P shape every time, exactly as per the rough diamond planner plan. This ensures excellent 4P shape symmetry, enhancing the value of polished diamonds.



Skilled man-power shortage, is history now

ROBOT handles everything from stone placing to cutting. A single non-skilled operator can manage at least 5 ROBOMATIC 2.0 machines, with minimal human involvement needed only for loading stones.



Precise Cutting, Higher Polish Yield

ROBOT automates stone placement and alignment, eliminating cross-cutting faults. This ensures higher polish weight compared to manual 4P machines.



Unlimited Operation with ROBOMATIC 2.0

Designed for 365-day operation, ROBOMATIC 2.0 delivers continuous production with unmatched accuracy and maximum uptime, surpassing manual 4P machines.



Secure Processing, No Diamond Swapping

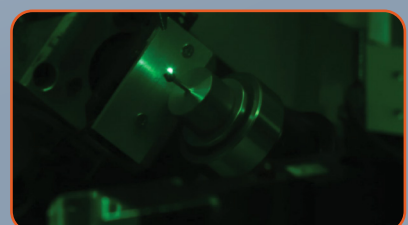
ROBOT manages the process end-to-end, ensuring only planned stones are processed without human intervention. AI and machine vision detect any unauthorized swapping, adding an extra layer of security.



Affordable Cutting-Edge Technology

ROBOT handles diamond setting to 4P cutting with no human intervention, eliminating swapping risks. AI and machine vision ensure only planned stones are processed, providing enhanced security.

IMAGE GALLERY



Having Customer Base in More Than
30 Countries & 5 Continents



India | Botswana | Brazil | Cambodia | China | Dubai | Ghana
Hong Kong | Indonesia | Japan | Laos | Mauritius | Romania
Russia | Singapore | South Africa | South Korea | Spain
Sri Lanka | Switzerland | Taiwan | Thailand | Turkey
United States | Vietnam | Zimbabwe



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