

Machine to control if stones, placed in a jewel, are natural or man-made. Detection by Bruker LUMOS FT_IR spectro analysis and diamond type determination. Depending on the size of the jewel +/- 60 jewels can be placed on 1 tray. The machine is equipped with a vertical tray loader for 10 trays. The trays are automatically fed to the pick-and-place position of the robot.

MOD. GemControl BL



Technical information :

- Electrical connection : 3F -400 V 16A
- Industrial robot arm STAUBLI
 - 3 pneumatic grippers
 - Tool change station for 3 tools
- Sensors on grippers to control jewel presence
- Industrial PC configuration with remote support
 - Air pressure connection : 6 bar (dried air)