

AMSMicro



Price: \$180,000 USD

Job: To automatically screen melee with the size range of: 0.001ct to 0.0033ct (0.60mm to 0.90mm)



The AMSMicro is an automated melee screening instrument for diamonds from 0.001ct to 0.0033ct (0.60mm to 0.90mm). It is designed to screen large quantities of loose, colourless and near colourless, round-brilliant melee, with speeds of up to 3000 per hour.

The instrument screens and separates diamonds, synthetic diamonds and diamond simulants, with a natural diamond referral rate of less than 3%. As a fully integrated unit with digital touch screen display, results are displayed within seconds.

With an automated pick-and-place, measurement and dispensing process, the AMSMicro operates unattended and requires no additional expertise, delivering accurate and reliable results.

Technical Specifications:

- Screen up to 200 Carats per screening session
- Automated pick, place, measure and dispense.
- Low referral rate. Testing for both CVD & HPHT
- Speed: up to 3000 stones per hour
- Cuts: round brilliant
- Stone size: from 0.001ct to 0.0033ct (0.60mm to 0.90mm)
- Colour range: Colourless/Near colourless.
- Verification of: Diamonds, synthetic diamonds, and non-diamond material
- Fully integrated system; No external pc required.
- Dimensions: 890mm (w) x 660mm (d) x 1700mm (h)
- De Beers Group—developed bespoke measurement algorithm (also used in AMS2).