

AMSMicro



Price: On request

Job: To automatically screen melee with the size range of: 0.001ct to 0.003ct (0.6mm to 0.9mm)

The AMSMicro (Automated Melee Screening Micro) is an automated melee screening instrument for diamonds from 0.001ct to 0.0033ct (0.6mm to 0.9mm). It is designed to screen large quantities of loose, colourless and near colourless, round-brilliant melee, with speeds of up to 2200 diamonds per hour.

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

With an automated pick and place, measure and dispense process the AMSMicro can run unattended while no additional expertise is required to operate the instrument, for accurate results.

Technical Specifications:

- Screen up to 200 carats per screening session
- Automated pick, place, measure and dispense
- Low referral rate, testing for both CVD and HPHT
- Speed: Up to 2200 diamonds per hour
- Cuts: Round brilliant
- Stone size: From 0.001ct to 0.0033ct (0.6mm to 0.9mm)
- Colour range: Colourless to near-colourless
- Verification of: Diamonds, laboratory grown diamonds, and non-diamond material
- Fully integrated system; No external PC required
- Dimensions: 315mm (w) x 400mm (d) x 550mm (h)
- Bespoke (De Beers Group designed) measurement algorithm, also used in AMS2 technology

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