



PRODUCT HIGHLIGHTS

State-of-the-art devices
for the detection, screening,
examination and manufacturing
of diamonds

CERTIFICATION | EDUCATION | EQUIPMENT
Discover more at www.hrdantwerp.com 



DETECTION, SCREENING, EXAMINATION, MANUFACTURING & ACCESSORIES

Instruments that benefit the diamond industry and trade around the globe

Detection

D-Tect

The ultimate detection device for laboratory grown diamonds

- Compact tabletop model
- Non-destructive method
- For mounted or loose diamonds (D-to-Z), of all shapes and sizes (nearly no size limitations)
- Reliable detection of natural or laboratory grown diamonds, as well as common diamond simulants
- Technology based on UV luminescence, photoluminescence spectroscopy, and Raman spectroscopy
- Consistent and fast results
- Training is necessary for the operator



Screening

M-Screen+

The superfast automated melee screening device

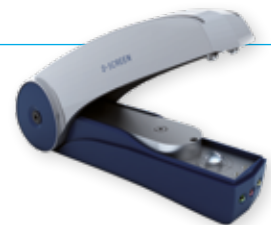
- Super-fast (min. 3 diamonds/sec., 11.000 per hour)
- Processes round brilliant diamonds from 0,005 to 0,20 ct, D-J colour
- Screens for natural, potential lab-grown (CVD and HPHT) and HPHT colour treated diamonds & simulants
- Technology: short wave UV light and patented method



D-Screen

The most compact diamond screening device in the world

- Easy to check stones that are not synthetic or not HPHT colour enhanced
- Fast and reliable results
- Suitable for all diamond cuts (colour range D-J)
- Portable and cordless



Alpha Diamond Analyzer

A unique diamond detection and type screening instrument

- FT-IR Spectrometer
- No colour, shape and size limitations
- On screen report of spectrum analysis



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Examination

D-Scope⁺

The diamond microscope reinvented

- Illumination: revolutionary dark-field lighting technology allows you to choose between three different colours of light
- Ease of manipulation: state-of-the-art vacuum gem manipulator
- Improved Ergonomics: completely redesigned to ensure a comfortable position for the user
- Optics: a wide variety of optical heads are applicable



Tender-Scope

The portable cordless microscope

- Small and easy to carry
- Cordless (rechargeable batteries)
- Magnification (10x & 30x) and adjustable light intensity

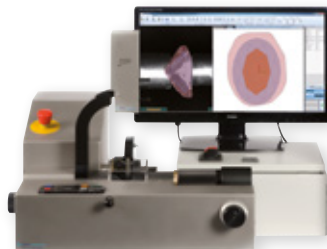


Manufacturing

Eos & Eos Fancy

The perfect girdle for all diamond shapes

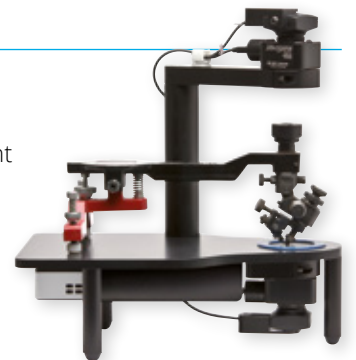
- A perfect girdle for round and all fancies, including square cuts
- No breakage, no beard
- 3D model import from rough planning
- Productive, accurate and ergonomic



Morgana

The accurate solution for a perfect cut

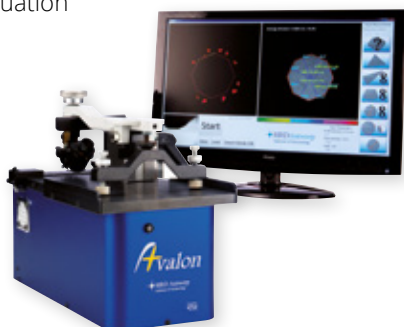
- Easy and quick alignment of scribe and tang
- Accurate facet tilting within 0.01°
- Time and weight saving



Avalon⁺

The ultimate 'smoothness' check while polishing

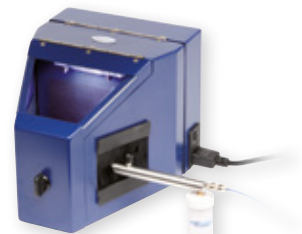
- Measuring the geometry of a facet during polishing
- Colour coded evaluation of the polish
- Improved production time
- Excellent training and educational tool



Microblaster

The black laser residue remover

- Cleans diamond surface with small abrasive particles
- Safe and easy laser residue remover



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Accessories

HRD Antwerp Toolset

Tweezer, loupe, borazon scratch needle (sold also separately)



Balancer Set for Polishing Bench

The Balancer-set is an instrument to visualize the un-balance on the polishing bench



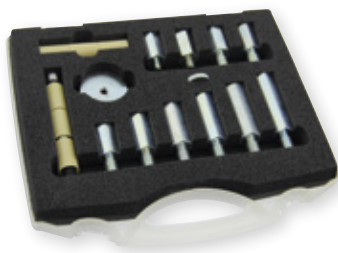
Diamond Powder Paste

For excellent smoothing result



Lamia Tang Pin Set

Specialized tang pin with limited wear



Etrin

Board for colour grading



HRD ANTWERP IS BASED IN ANTWERP, DIAMOND CAPITAL OF THE WORLD.

Our equipment department commercializes the sophisticated systems & devices that are conceived, designed and fine-tuned in the laboratories of HRD Antwerp.

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