

# DIA-MEASURE

Because your precious deserves precision



## Automated Diamond Measuring & Sorting Technology

### DESCRIPTION:

**Dia-Measure** is a high-performance, automated round diamond measuring system engineered for exceptional speed and precision. Capable of processing up to **5,500 diamonds per hour**, it accurately measures stones ranging from **0.90 mm to 4.00 mm** with a precision of **5 microns**, while simultaneously sorting them into **10 distinct size profiles**, depositing each into separate beakers.

In a single, seamless operation, Dia-Measure captures key parameters such as **height, crown angles, girdle size, and diameter**. It delivers fast, reliable, and fully automated diamond grading and sorting—making it the ideal solution for both **high-volume production** and **precision sorting** applications.

### INCLUDED ACCESSORIES:

- Power Cable
- All-in-One PC Set
- USB Cable
- 10 Beakers
- Vacuum Pump
- HASP
- Allen Key Set
- PU Pile
- Diamond Scoop

## KEY FEATURES:

- **Micron-Level Accuracy, Minimal Handling**  
With **0.005 mm precision**, Dia Measure captures all key measuring parameters—**diameter, height, girdle, table, crown, and pavilion**—with minimal handling to prevent losses and damage.
- **Multiple Operation Modes**  
The system offers various modes to suit user needs, including **Measuring, Only Counting**, and **EdgeGuard** mode.
- **High-Speed Processing with Bulk Capacity**  
Processes up to **5,500 diamonds per hour** and handles **1,000 carats per batch**, with automated sorting into **10 precise size profiles**—for effortless, high-volume operation.
- **Automatic Damage Detection**  
**EdgeGuard Mode** automatically detects broken culets or damaged girdles, ensuring only flawless stones continue through the process.
- **Stay Organized and Informed**  
Dia Measure captures images of each measured diamond, exports detailed results in **Excel and PDF** (with real measurement images), and integrates with your **ERP system** for seamless, accurate record-keeping.
- **Visual Alerts for Smooth Operation**  
Top-mounted light indicators provide instant visual feedback on machine status, actions, and errors—enabling remote monitoring at a glance.
- **Self-Cleaning and Auto-Calibration with Zero Downtime**  
Dia Measure features an **automatic disk cleaning system** and an **easy, fully automated calibration process**, ensuring consistent performance and accuracy—without interrupting your workflow.

## TECHNICAL SPECIFICATIONS:

- Input Voltage Range : 110 – 230 V
- Input Current : 5 Amp
- Operating Temperature : 18 – 35°C
- Humidity : Recommended 40% – 60% RH
- Dimensions : 820 x 850 x 575 mm
- Weight : 65 KG (Machine only)

## WARRANTY:

- One-year warranty covers Dia-Measure hardware, software and updates.