

# 自動化鑽石測量與分揀

## Automated Diamond Measuring & sorting



### 自動化鑽石測量與分揀技術 Automated Diamond Measuring & Sorting Technology

#### 產品描述/DESCRIPTION

Dia-Measure 是一款高效能的自動圓形鑽石測量系統，專為卓越速度與精準度而設計。它每小時可處理多達 5,500 顆鑽石，能精確測量直徑從 0.90 mm 至 4.00 mm 的寶石，誤差僅 ±5 微米，並同時將鑽石分揀至 10 種不同尺寸分類瓶中。

透過單一無縫操作流程，Dia-Measure 能捕捉鑽石的關鍵參數，例如高度、冠部角度、腰圍尺寸與直徑。同時提供快速、可靠且全自動化的鑽石分級與分揀解決方案——是大規模生產以及高精度檢測的理想選擇。

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. Dia-Measure

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

譽寶集團 (香港)公司

YUBAO HOLDING (HK) LIMITED

香港地址:九龍紅磡鶴翔街1號維港中心1座2樓206B 7-8室

HK office address: Unit 206B 7-8, 2/F, Tower 1, Harbour Centre  
No.1 Hok Cheung Street, Hung Hom, Kowloon, Hong Kong

電話/Tel:+852 29948989

網址/Web site:www.yubaohk.pro

Email: sales@yubao.org

Whatsapp:+85297786550



Facebook



Wechat

## ▶ 隨機配件/INCLUDED ACCESSORIES

電源線  
Power Cable

鑽石勺  
Diamond Scoop

USB 傳輸線  
USB Cable

真空泵  
Vacuum Pump

HASP 安全鎖  
HASP

一體式電腦組合  
All-in-One PC Set

內六角工具組  
Allen Key Set

聚氨酯堆疊墊  
PU Pile

10 個樣本收集瓶  
10 Beakers

## ▶ 主要特色/KEYFEATURES

### ▣ 微米級的準確性, 最小處理/Micron-Level Accuracy, Minimal Handling

Dia-Measure 可達到  $\pm 0.005$  mm 的精度, 完整捕捉直徑、腰圍高度、桌面、冠部與亭部等參數, 並減少人工操作, 以避免損耗或損壞。

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.

### ▣ 多種操作模式/Multiple Operation Modes

系統提供多種操作模式, 包括: 單純測量模式、僅計數模式, 以及 EdgeGuard 模式。

The system offers various modes to suit user needs, including Measuring, Only Counting, and EdgeGuard mode.

### ▣ 高速度大容量處理/High-Speed Processing with Bulk Capacity

每小時可處理達 5,500 顆鑽石, 每批次可處理 1,000 克拉, 並自動分揀為 10 個精準尺寸組別, 適合高效能、大批量運作。

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.

### ▣ 自動損壞檢測/Automatic Damage Detection

EdgeGuard 模式可自動檢測斷裂的底尖或損壞的腰圍, 確保僅有完整無缺的鑽石進入下一步驟。

EdgeGuard Mode automatically detects broken culets or damaged girdles, ensuring only flawless stones continue through the process.

### ▣ 資訊紀錄與整合/Stay Organized and Informed

Dia-Measure 為每顆鑽石拍照, 並將測量結果輸出至 Excel 和 PDF (包含實際測量影像), 可無縫整合至 ERP 系統, 方便精準記錄與管理。

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.

### ▣ 即時視覺提醒/Visual Alerts for Smooth Operation

機器頂部的燈號提供狀態、操作與錯誤的即時回饋, 讓操作者能一眼監控機器運作。

Top-mounted light indicators provide instant visual feedback on machine status, actions, and errors - enabling remote monitoring at a glance.

### ▣ 自動清潔與免停機校準/Self-Cleaning and Auto-Calibration with Zero Downtime

Dia-Measure 配備自動碟片清潔系統, 以及全自動校準流程, 確保持續穩定與準確性, 無需中斷工作。

Dia-Measure features an automatic disk cleaning system and an easy, fully automated calibration process, ensuring consistent performance and accuracy - without interrupting your workflow.

## ▶ 技術規格/TECHNICAL SPECIFICATIONS

▣ 輸入電壓範圍: 110 – 230 V  
Input Voltage Range: 110-230 V

▣ 輸入電流: 5 Amp  
Input Current: 5 Amp

▣ 操作溫度: 18 – 35°C  
Operating Temperature: 18-35°C

▣ 建議濕度: 40% – 60% RH  
Humidity: Recommended 40%-60% RH

▣ 外觀尺寸: 820 x 850 x 575 mm  
Dimensions: 820x850x575 mm

▣ 機器重量: 65 公斤 (僅主機)  
Weight: 65 KG (Machine only)

## ▶ 保養/WARRANTY

一年保固, 涵蓋 Dia-Measure 硬體、軟體與更新服務。

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