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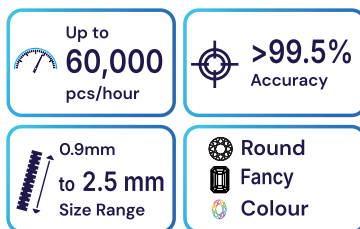
LAB-GROWN DIAMOND DETECTION AND
SORTING TECHNOLOGY



DIA-COUNT

High-Speed Stone Counting Machine

Precision • Speed • Automation



DESCRIPTION

Dia-Count is an advanced high-speed counting machine designed for accurate and efficient counting of small diamonds, gemstones, simulants, and other similar-sized stones within the defined size range. It combines optical sensor technology, intelligent speed control, batch automation, and static charge management to deliver reliable counting performance for sorting, packaging, trading, and production workflows.

ADVANTAGES

- Fast Operation
- Reduced Manual Work
- Accurate Counting
- Safe Collection System
- Industrial Reliability
- Compact Design
- User-Friendly Interface

APPLICATIONS

- Gemstone manufacturing units
- Diamond and gemstone sorting departments
- Stone trading and export operations
- Jewellery manufacturing units
- Counting and packaging centres
- Packet preparation and batch counting workflow
- Quality control and inventory counting departments

KEY FEATURES

- High-Speed Counting – Counts up to 60,000 stones per hour
- 99.5%+ Counting Accuracy – Reliable counting performance under standard operating conditions
- Multi-Stone Compatibility – Suitable for diamonds, gemstones, simulants, and similar-sized stones
- Touchscreen Interface – Simple and user-friendly operation
- Dual Operating Modes – Count Mode and Batch Mode
- Automatic Speed Adjustment – Optimized performance based on selected stone size
- Boost Mode – Quickly clears remaining stones after counting
- Batch Counting Support – Helps prepare fixed-quantity bags or packets
- Outlet Safety Sensor – Detects proper bag placement before discharge
- Static Charge Control – Humidifier-based system for smoother stone flow

OPERATING MODES

Count Mode

- Real-time stones counting
- Start / Pause / Stop control
- Live count display

Batch Mode

- Set stones per packet
- Set total number of bags
- Semi automated batch processing

SUPPORTED SPECIFICATIONS

- Stone Size Range : 0.9 mm to 2.5 mm (expandable up to 5.0 mm Size)
- Counting Capacity : Up to 60,000 pcs/hour
- Accuracy : 99.5%
- Voltage : 110V – 230V AC
- Frequency : 50 / 60 Hz
- Current Consumption : 0.5 A
- Dimensions : 270 × 216 × 195 mm
- Weight : 8 kg
- Temperature : 25°C – 35°C
- Humidity : 45% – 60% RH

WARRANTY & SUPPORT

- One-year standard warranty with remote service and software support.