



## DS-3000 X-ray Reel Counter with 99.99% Counting Accuracy and 17-inch Ultra-clear Screen for Cloud Database Integration

Our Product Introduction

for more products please visit us on [bgaxraymachine.com](http://bgaxraymachine.com)

### Basic Information

- Place of Origin: China
- Minimum Order Quantity: 1
- Price: CN¥185,466.72

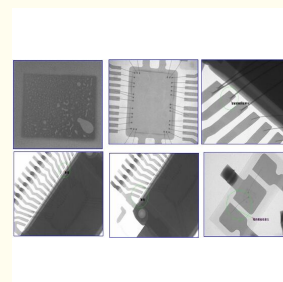
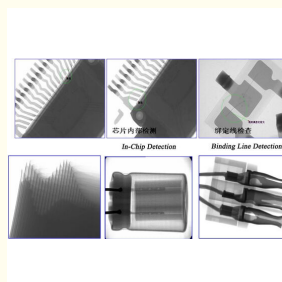
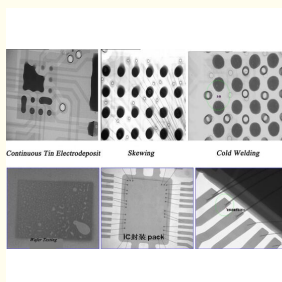


### Product Specification

- Weight: 730 KG
- Machine Type: Counter
- Detector: Amorphous Silicon
- Pixel Matrix: 3072\*3072 Pixels
- Image Size: 430\*430 Mm
- Detector Size: 470\*470\*35 Mm
- Point Material Speed: 8~10 S
- Maximum Tray Size: 17 Inches
- Minimum Tray Size: Unlimited
- Maximum Tray Thickness: 80 Mm
- Equipment Size: 908\*1335\*1968 Mm
- Equipment Weight: 1000 KG
- Counting Accuracy: 99.99%
- Tray Diameter Range: 7 To 15 Inches
- X-ray Tube: American VJ X-ray Tube



### More Images



## Product Description

### DS-3000 X-ray Reel Counter Industrial Machinery

The DS-3000 X-ray offline counting machine revolutionizes IC chip counting with advanced automation and precision technology.

#### Key Product Features

- Eliminates need for unpacking and transferring trays compared to traditional counting machines
- 17-inch ultra-clear flat panel detector with fast imaging and zero distortion
- Simultaneously calculates four 7-inch material trays or one 13-15 inch material tray
- Counting accuracy up to 99.99%
- Digital data management with barcode sticker printing and direct database upload
- Accommodates tray diameters from 7 to 15 inches
- Material picking and foolproof functionality with automatic location sensing and label printing

#### Cloud Database Integration

Each device connects to your cloud database, automatically uploading order data and images while downloading the latest database updates. Our engineers continuously optimize algorithms based on collected data, ensuring counting accuracy improves over time and component type coverage expands.





## DS-3000 Equipment Advantages

### Advanced Hardware Components

- American VJ X-ray tube for long life and maintenance-free operation
- 17-inch ultra-clear flat panel detector with fast, distortion-free imaging

### Operational Efficiency

- Simultaneous calculation of four 7-inch or one 13-17 inch material plates
- Significant time reduction in counting processes
- Eliminates excess manpower requirements
- Enables personnel to focus on line changes and switch-over operations

### Digital Management & Quality Control

- Digital data processing with barcode printing and direct database upload
- Prevents material shortages, losses, and inventory discrepancies
- Reduces material inventory costs
- Improves material inventory accuracy
- Maintains coil integrity without opening packaging bags
- Preserves material moisture resistance

### Artificial Intelligence & Deep Learning

Our ordering software utilizes artificial intelligence deep learning algorithms that automatically identify components and apply appropriate algorithms without manual binding. The system learns from component data including:

- Length-width ratios
- Corner angles of components
- Internal to external component slopes
- Image deformation patterns from inside to outside

As component calculations increase, counting accuracy improves continuously, enabling efficient handling of larger plates and similar components.

### Cloud Database Optimization

Device data and images upload to the cloud where engineers optimize algorithms based on collected information. Regular database updates ensure counting accuracy approaches 100% over time while expanding component coverage. When encountering new components already in our database, software updates provide immediate access with higher efficiency, accuracy, and coverage.



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