

# EXLON-Z III 453

Adequate for coordinate measurement for complex shape

With "Manual operation" and excellent operability, this coordinate measuring machine allows high-precision measurement for three-dimensional objects.



- A jogging unit with excellent operability is provided for each axis.  
While moving an axis, the machine can be operated easily.
- Since the main body has portal structure, the product is resistant to vibration, resulting in stable precision. Also a stone surface plate is used and therefore the product is resistant to temperature change, resulting in stable precision at ordinary temperature.
- Measurement = Three-dimensional rotation, reverse, enlargement/reduction, movement, and so on of prepared drawing can be conducted easily.  
Output to IGES file allows easy editing on CAD/CAM.
- In addition to measurement of elements (point, line, surface, circle, sphere, cylinder) and indirect measurement in which measured elements are combined for calculation, geometric calculation (straightness, flatness, roundness, sphericity, cylindricity, position, parallelism, perpendicularity) is available.

## EXLON Z III 453 : Specifications

| Model                                 | EXLON Z III 453             |
|---------------------------------------|-----------------------------|
| Measuring range for X axis            | 400mm                       |
| Measuring range for Y axis            | 500mm                       |
| Measuring range for Z axis            | 300mm                       |
| Resolution                            | 0.001mm                     |
| Precision on each axis                | 4+5L/1000 μm                |
| Operation method                      | Manual                      |
| Sliding section                       | LM guide                    |
| Sensor                                | Optical linear scale        |
| Environmental conditions: Temperature | 18°C~30°C                   |
| Environmental conditions: Humidity    | 30%~80%                     |
| Sensor section                        | Electronic probe TP8        |
| Personal computer                     | OS : Windows 7 Professional |
| A                                     | 1,830mm                     |
| B                                     | 720mm                       |
| C                                     | 800mm                       |
| D                                     | 415mm                       |
| E                                     | 495mm                       |
| Weight                                | 350kg                       |

Large sizes are also provided. Contact our company or your dealer.