

# Robotic Table

## Automation



### Key Features

- Input capacity of up to 5,000 dosimeters
- Unattended night and weekend operation
- Modular system
- Maximum throughput

The Robotic Table is the perfect enhancement for larger-sized monitoring services. It is innovative, intelligent and allows the user to have a maximum level of automation. There is no required supervision; the Robotic Table can take on overnight and weekend shifts. During this time, human resources are not required. The Robotic Table is versatile and offers modularity for its users.

The Robotic Table consists of the dosimeter input and an acrylic glass housed safety cabinet for dosimeter processing with a base plate and the electrical cabinet contains an Industry PC (IPC) to control the mechanics. The baseplate carries the dosimeter orientation unit, the robot, the devices (five per table), the buffer trays and various dosimeter outputs. To assure a smooth and trouble-free work routine, the Robotic Table is equipped with a cooling unit and a UPS system.

The ratio of readers to erasers is on principle arbitrary and depending on the customer's definition of processes and equipment. The standard configuration is two BeOSL Readers, two BeOSL Erasers and one BeOSL Irradiator.

The Robotic Table is the peak of modularity, as the user can operate one or more Robotic Tables at once. The BeOSL devices operating on the table maintains their individual functions which is very helpful. For example, in the case of an unexpected incident with one of the BeOSL devices, the Robotic Table does not stop; it manages all of the other devices so they continue functioning. This means more machine hours and more handled dosimeters for the user.

The Robotic Table is connected to a work flow control software. This provides the user with setting adjustments and options. The Robotic Table can be customized to fit any routine! Users quickly see results, track their dosimeters and optimize their work routine. It also allows many features to export and mine data.

### NEW!

The Robotic Table has fresh improvements for its users:

- The PC panel is now mounted on the arm and can move freely to its position for the operator.
- There are now three doors. This means the user has access to the devices in all positions possible.
- There is an improved structure for a larger amount of storage.

For additional information including pricing, please contact the Sales team at [sales@dosimetrics.de](mailto:sales@dosimetrics.de).

**Technical Specifications**

**Dimensions:**

2.2 m x 2.3 m / 7 ft 2 in x 7 ft 7 in (table)  
 40 cm / 15.6 in (monitor)

**Weight:**

~600 kg

**Power Supply:**

230 V AC  
 fuse: 16A  
 P (max) < 3600 W

**Air pressure:**

6 bar

**Components**

Article No.	Description
2006	Robotic Table
1001	BeOSL Two-Element Dosimeter
1002	BeOSL Four-Element Dosimeter
2001	BeOSL Reader
2002	BeOSL Eraser
2003	BeOSL Irradiator

