



gkteso

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EYE SURGERY BED

SPECIFICATIONS SHEET



PRODUCT OVERVIEW

General Description

The Eye Surgery Bed is a high-precision positioning system engineered for advanced ophthalmic laser procedures such as LASIK, PRK, and SMILE. With ultra-smooth motion control, an ergonomic design, and motorized fine adjustments, it ensures precise alignment and maximum patient comfort, while seamless integration supports efficient and reproducible workflows.

Its flexible configuration and built-in safety features make it a reliable solution for modern refractive surgery environments.

PRODUCT FEATURES

Main Characteristics

- 01** Ultra-low entry height of just 480 mm for easy patient access
- 02** High-precision joystick control for eye alignment with fine adjustment resolution of 0.02 mm (lateral/longitudinal) and 0.05 mm (vertical)
- 03** Ergonomic patient surface providing comfortable full-body support
- 04** Ergonomic headrest with versatile adjustment options for optimal head positioning and comfort
- 05** Foot-end pivot design for easy patient entry/exit and safe head clearance away from the laser area

MODEL VARIANTS

Available as ESB-R30 (right swing) or ESB-L30 (left swing) for flexible laser integration.

SAFETY

With collision protection and interlock interface for secure operation.

COMPLIANCE

Compliant with IEC 60601-1 and CE-marked under the European MDR for medical devices.



PRODUCT INSIGHTS

Designed for Precision & Comfort

The Eye Surgery Bed combines advanced motion technology with an ergonomic patient surface, setting a new benchmark in refractive surgery. Developed for ophthalmic laser applications, it provides vibration-free travel and ultra-fine adjustment resolution of 0.02 mm (lateral/longitudinal) and 0.05 mm (vertical) for precise eye positioning under laser or microscope.

A flexible control panel (right by default, configurable left) and intuitive joystick control enable effortless fine adjustments, while automatic positioning enables seamless transfer from a finely adjusted left eye to the right eye, and vice versa. The foot-end pivot design allows comfortable patient entry and exit, while 30° outward swing ensures safe head clearance away from the laser area.



TECHNICAL SPECIFICATIONS

Key Performance Data

FEATURE	SPECIFICATION
Load capacity	Up to 200 kg
Height adjustment	170 mm
Lateral/longitudinal travel	±70 mm per axis
Rotation	30°
Headrest tilt range	±7°
Device dimensions	1850 mm / 650 mm / 630 mm (length/width/height)
Power supply	100 – 240 V AC, 600 W, 50 / 60 Hz

CLINICAL BENEFITS

- ✓ Compatible with leading ophthalmic laser systems for smooth clinical workflow.
- ✓ Pressure-relieving padding and ergonomic positioning for maximum comfort.



Seamless Integration



Patient Comfort

PRODUCT SUMMARY

Reliability & Excellence in Ophthalmology

The Eye Surgery Bed combines automatic positioning, motorized fine adjustments, and vibration-free movement for reproducible outcomes. Safety features including collision protection and an interlock interface support secure operation. Compliant with IEC 60601-1 and CE-marked under the European MDR for medical devices.

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