

OPHTHA EQUIPMENT

1. OPERATING TABLE

Description: Specialized operating tables that is dedicated to ophthalmic procedures.
Designed semi-seated for ENT surgery.
Eye Surgery Tables

Operation: Electric and Mobile
Can be easily positioned to chair or seated by means of a switch.
Head Section can be adjusted upward, downward, and extendable
Backrest section can be adjusted to at least 75 degrees
Leg Sections can be adjusted to 45 degrees.
Patient handling up to 150 kgs.

Accessories: Arm pads
Head Rest and restraints
Operators Chair

Materials: Stainless steel or equivalent materials that is corrosion resistant and durable.
Non- toxic

Minimum Dimensions: 550 mm X 1800 mm

Minimum Height Adjustment: Adjusted from 600 mm to 800 mm

Castor Wheels: At least 125 mm diameter.

Other Requirements:

Warranty for one year

Training of End User including maintenance and care.

2. OPHTHALMIC ULTRASOUND SCANNER

Description: A-Scan can be used for biometric calculation and for quantifying the reflectivity of lesions in the eye and orbit. B-Scan is used for imaging the anatomy Ultrasonic imaging using high frequencies has been termed "ultrasonic microscopy" or "ultrasonic backscatter microscopy" (UBM). Such systems use very high frequency waves (60-100MHz) to achieve high resolution images at depths in the 4 mm range.

Operational Requirements

System completes with all hardware and software and report printer and image recorder is required.

System Configuration

A+B+ UBM Scans Ultrasound for Ophthalmology, complete unit with complete accessories.

Technical Specifications

Shall have A-scan mode.

Shall have B-scan mode.

Shall have UBM

Shall have dynamic movie archiving.

Shall have Laser & video recording facility.

Shall have auto & manual measure function.

Shall have distance & area measurement on B-scan images.

Shall have vector A-scan measurement.

Shall have simultaneous B-scan with vector A-scan.

Shall have A-scan dynamic recording with gain adjustments.

Shall have facility for IOL power calculations (all formulas).

Shall have data exporting in jpg and pdf format

Shall have data storage in the system at least 1 TB

Shall have printing facility.

Accessories, spares and consumables

All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.

Operating Environment

The product offered shall be designed to be stored and to operate normally under Power Supply, Climate, Temperature, Humidity, etc. for Philippines.

Power supply: 110 - 240 VAC, 60Hz fitted with appropriate plug. The power cable must be at least 3 meter in length.

Suitable UPS with maintenance free batteries, voltage regulation and spike protection for minimum 30 min. back-up shall be supplied with the system.

Standards and Safety Requirements

Must submit ISO13485:2003/AC:2007 for Medical Devices AND CE (93/42 EEC Directives) or FDA approved product certificate.

Shall meet IEC 60601-2-37 Medical Electrical Equipment - PART 2 Particular Requirements for the Safety of Ultrasonic Medical Diagnostic and Monitoring Equipment.

User Training

Must provide user training (including how to use and maintain the equipment).

Warranty

Comprehensive warranty for 2 years.

Maintenance Service During Warranty Period

During warranty period supplier must ensure corrective/breakdown maintenance whenever required.

Documentation

User (Operating) manual in English.

Service (Technical / Maintenance) manual in English.

List of important spare parts and accessories with their part numbers and costing.

Certificate of calibration and inspection from factory

Supplier must have repair facility in the country.

3. OPTHALMIC PHACOEMULSIFIER

Description of Function

a modern-day cataract surgery that employs ultrasound energy to emulsify the nucleus, vacuum to catch the nuclear material, and irrigation and aspiration for cortex and viscoelastic removal. A typical phaco machine consists of a handpiece, foot pedal, irrigation, and aspiration system.

Operational Requirements

The units must possess irrigation, irrigation/aspiration, ultrasound, diathermy, and vitrectomy operational modes.

System Configuration

Phaco machine, complete unit with all standard accessories.

Installed in compact machine trolley with instrument tray (factory standard not separate unit).

Technical Specifications

Phaco unit must work on venturi & peristaltic pump and shall provide light weight steel hand piece.

Ultrasonic mode shall have continuous and pulse mode.

Shall provide two IA straight hand pieces with 4 piezo electric crystals.

Machine must have good panel display with digital control good audio, memory set up for surgical parameters.

Shall have multifunctional foot switch.

Shall have facilities for Bipolar Coagulation, Phacoemulsification, Aspiration and Anterior Vitrectomy.

Shall have multiple programmes.

Digital LCD panel display of parameters.

Bipolar Coagulation: 2 to 6 watts, foot controlled

Phaco Machine:

Aspiration: 0-500 mmHg linear vacuum.

Anterior Vitrectomy : 30-600 cuts/min.

Multifunctional foot pedal with a reflux switch.

Accessories, spares and consumables

All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.

Operating Environment

The product offered shall be designed to be stored and to operate normally under Power Supply, Climate, Temperature, Humidity, etc. for Philippines.

Power supply: 110 - 240 VAC, 60Hz fitted with appropriate plug. The power cable must be at least 3 meters in length.

Suitable UPS with maintenance free batteries, voltage regulation and spike protection for minimum 30 min. back-up shall be supplied with the system.

Standards and Safety Requirements

Must submit ISO13485:2003/AC:2007 for Medical Devices AND CE (93/42 EEC Directives) or USFDA approved product certificate.

Electrical safety conforms to standards for electrical safety IEC 60601-1 General requirement for Electrical safety of Medical Equipment.

User Training

Must provide user training (including how to use and maintain the equipment).

Warranty

Comprehensive warranty for 2 years.

Maintenance Service During Warranty Period

During warranty period supplier must ensure corrective/breakdown maintenance whenever required.

Documentation

User (Operating) manual in English.

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