

1	OPHTHALMIC ULTRASOUND SCANNER
a	Description:
b	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
c	Ultrasonic imaging using high frequencies has been termed "ultrasonic backscatter microscopy"(UBM). Such systems use very high frequency waves (60-100MHz to achieve high resolution images at depths in the 4mm range.
d	Operational Requirements: System completes with all hardware and software and report printer and image recorder is required
e	System Configuration: A+B+ UBM Scans Ultrasound for Ophthalmology, complete unit with complete accessories
f	Technical Specification:
g	Shall have A-scan mode
h	Shall have B-scan mode
i	Shall have UBM
j	Shall have dynamic movie archiving
k	Shall have laser & video recording facility
l	Shall have distance & area measurement on B-Scan images
m	Shall have vector A-scan measurement
n	Shall have simultaneous B-scan with vector A-Scan
o	Shall have A-scan dynamic recording with gain adjustments
p	Shall have facility for IOL power calculations (all formulas)
q	Shall have data exporting in JPB and PDF Format
r	Shall have data storage in the system at least 1 TB
s	Shall have printing facility
t	Accessories, Spares and Consumables:
u	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

v	Operating Environment
w	The Product offered shall be designated to be stored and to operate normally under Power Supply, Climate, Temperature, Humidity, etc for Philippines
x	Power Supply: 110-240 VAC, 60hz fitted with appropriate plug. The power cable must be at least 3 meter in length
y	Suitable UPS with maintenance free batteries, voltage regulation and spike protection for minimum 30 minutes, back-up shall be supplies with the system.
z	Standard and Safety Requirements: Must submit ISO13485:2003/AC:2007 for Medical Devices and CE (93/43 EEC Directives) or FDA approved product certificate
a.a	Shall meet IEC 60601-2-37 Medical Electrical Equipment-Part 2 Particular Requirements for the Safety Ultrasonic Medical Diagnostic and Monitoring Equipment
b.b	User Training: Must provide user training (including how to use and maintain the equipment)
c.c	Warranty: Comprehensive warranty for 2 years
d.d	Maintenance Service During Warranty Period: During Warranty period supplier must ensure corrective / breakdown maintenance whenever required.
e.e	Documentation:
f.f	User Operating Manual in English
g.g	Service (Technical / Maintenance) manual in English
h.h	List of important spare parts and accessories with their part numbers and costing
i.i	Certificate of Calibration and inspection from Laboratory
j.j	Supplier must have repair facility in the country.
2	OPHTHALMIC PHACOEMULSIFIER
a	Description of Function:

b	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.
c	Operational Requirement:
d	The unit must possess irrigation, irrigation/aspiration, ultrasound, diathermy and vitrectomy operational modes
e	System Configuration:
f	Phaco machine, complete unit with all standard accessories.
g	Installed in compact machine trolley with instrument tray (factory standard not separate unit)
h	Technical Specification:
i	Phaco unit must work on venturi & peristaltic pump and shall provide light weight steel hand piece
j	Ultrasonic mode shall have continuous and pulse mode.
k	Shall provide two IA straight hand pieces with 4 piezo electric crystals.
l	Machine must have good panel display with digital control good audio, memory set up for surgical parameters.
m	Shall have multifunctional foot switch
n	Shall have facilities for Bipolar Coagulation, Phacomulsification, Aspiration and Anterior Vitrectomy
o	Shall have multiple programmers
p	Digital LCD panel display of parameters.
q	Bipolar Coagulation: 2 to 6 watts, foot controlled
r	Phaco Machine:
s	Aspiration: 0-500 mmHg linear vacuum
t	Anterior Vitrectomy: 30-600 cuts/min
u	Multifunctional foot pedal with a reflux switch
v	Accessories, spares and consumable:

w	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
x	Operating Environment
y	The product offered shall be designated to be stored and to operate normally under Power Supply, Climate, Temperature, Humidity, etc for Philippines
z	Power Supply:
a.a	110-240 VAC, 60Hz with appropriate plug. The power cable must be at least 3 meters in length
b.b.	Suitable UPS with maintenance free batteries, voltage regulation and spike protection for minimum 30 minutes back-up shall be supplied with the system
c.c	Standard and Safety Requirements:
d.d	Must submit ISO 13485:2003 / AC:2005 for Medical devices and CE (93/42 EEC Directives) of USFDA approved product certificate.
e.e	Electrical safety conforms to standards for electrical safety IEC 60601-1 General requirement for Electrical Safety of Medical Equipment
f.f	User Training: Must provide user training (including how to use and maintain the equipment)
g.g.	Warranty: Comprehensive Warranty for 2 years)
h.h	Maintenance Service During Warranty Period: During warranty period supplier must ensure corrective / breakdown maintenance whenever required.
i.i	Documentation:
j.j	User (operating) manual in English
k.k	Service Technical/Maintenance manual in English
l.l	List of important spare parts and accessories with their part numbers and costing
m.m	Certificate of calibration and inspection from factory
n.n	Supplier must have repair facility in the country