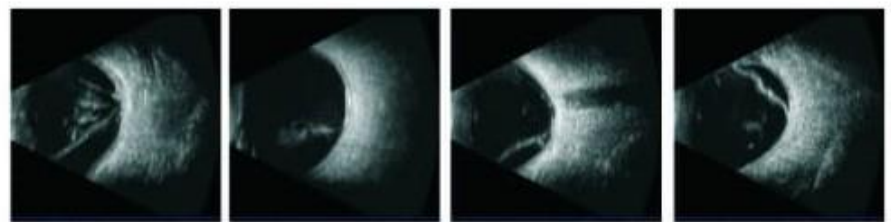


Matrix Ultra sound Ophthalmic A/B scan:SP-2000

The next generation ophthalmic A/B scan with Innovative design, outstanding performance & user friendly operation.

- Truly portable, light weight & compact body.
 - USB connection to Laptop & Desktop.
 - Integrated image capture, patient management & report editing.
 - Extra high resolution image with user- friendly image Processing software.
 - 12.5MHz noise-less transducer probe.
 - B,B+B,B+A & A scan features.
 - Upgradable to UBM (optional Modular unit)
 - 100 frame capturable cine-loop function.
 - multi-stage function with segmental gain adjustment to View details of particular area.
 - Marking of distance, Area & perimeter of any particular anomalies in the captured image.
 - Integrated A scan with, Contact & Immersion biometry, 6 latest formulas, Adjustable segment U/S velocities.
 - Fast reading with digital accuracy, Average standard deviation & auto capture with Auto progress.
 - Vast memory base depending upon the computer used for data storage & browsing.
- computer used for data storage & browsing.



* **EXPERT ADVICES** :- For transverse image the marker of Probe head is always oriented superiorly or nasally. As a rule for longitudinal Macula View (LMAC) the marker over the head should be directed towards pupil, so that the optic nerve is seen below Macula. As a standard rule of B-Scan imaging, always try to bring the anomaly of interest to the centre to image to obtain best resolution by maneuvering the U/S Probe accordingly.

U/S IMAGING : B- SCAN

TECHNICAL SPECIFICATION

(BIOMETRY) / A-SCAN

U/S Probe: 12.50 MHz magnetic driven noiseless probe.
Scanning Mode: 53° Sector scanning
Clinical Resolution: 0.1mm
Precision: lateral ≤ 10%, vertical ≤ 5%
Gain: 20dB to 105dB with variable gain control.
Depth of Scanning: 0mm ~ 50mm
Zoom: Multi level zooming of an image or its section.
Measure mode: Distance Perimeter & area within captured image.
Case Report: PDF format case report archiving
Cine Loop: captures 100 frames of movie loop (7sec)
Display Mode: A, A+B, B+B (For comparison), & B mode.
Date Out Put: High resolution Display & hard copy Print-out through external desk jet Printer.
Grey Scale: 256 shades / False color mode: 7 colors
Power supply/ Consumption: 220VAC (50-60Hz) / Approx 60VA

U/S probe: 10MHz solid & light probe with Fixation light.
Measurement Range: Short to Extra large eye (14 mm~48mm)
Precision: ± 0.05mm
Measurement Mode: Auto/ Manual (using foot switch)
Measuring Method: contact & Immersion method
Eye Type: Phakic normal, Normal cataract, DENS Cataract, Aphakic, Pseudo Phakic & CUSTOM DEFINED.
Store(Scans/Eye) : 10Scanning result for each eye.
Calculation Formulas: SRK-II, SRK-T, BINKHORST-II, HOLLADAYS, HOFFER-Q, HAIGIS & Post LASIK IOL Calculation.
Date Out Put: High resolution Display & hard copy Print-out through external desk jet Printer.
Memory: Innumerable (As per computer memory)
Power supply/ Consumption: 220VAC (50-60Hz) / Approx 60VA

Standard Accessories: Console workstation, A scan Probe, B-Scan Probe, Power cable, USB connecting cable, Operating manual.
Optional: Locally procure Laptop/Desk Top computer, USP, Printer, table (If any)

