

Cidex instrument sterilization tray



CIDEX Tray Systems have been designed by ASP to provide healthcare professionals with the ideal complementary accessories for manual cleaning/high-level disinfection. Manual processes have never been so easy. The tray can be used for soaking, cleaning, or disinfecting solutions. Includes basket and cover for your safety and ease of use.

- Rectangle CIDEX Tray System for manual disinfection
- Instrument Tray with perforated inner liner and lid
- Compatible with CIDEX Activated solution, CIDEX PLUS solution, CIDEX OPA solution, and ENZOL enzymatic detergent
- Can be sterilized/decontaminated using steam, ethylene oxide, and STERRAD sterilization systems
- CIDEX Tray Systems provide easy and practical handling of medical instruments
- Dimensions: 20" x 7" x 5" (inside dimensions are exactly 1" less than what is listed)
- Metric Dimensions: 503 mm x 186 mm x 132 mm
- Capacity: 8.1 Liters
- This CIDEX Tray includes: tray, lid, and liner
- Manufacturer: Advanced Sterilization Products/Johnson & Johnson
- Manufacturer's ID: 82016

Stethoscope

Specification	Specification Name	Bid Requirement (Allowed Values)
Warranty Scope	Free Service Available during warranty	Yes
Configuration	Length of Y tubing (cm)	45.0 - 200.0 Or higher
	Recommended application	Physical Assessment and Diagnosis, Limited Physical Assessment and Blood Pressure, Cardiology, Physical Assessment, Diagnosis and cardiology
	Diameter of the Binaural tube	6 mm
	Diaphragm type	Fixed
	Chest piece material	Stainless steel
	Latex free product	Yes
	Noise Isolation earpiece	Yes
	Non chilling snap on ring provided on chest piece	Yes
	Number of snap on ring provided	1
	Binaural spring provided	Yes, No
	Weight of the product (g)	0 - 1000
	Diameter of Chest piece(mm)	0 - 100
	Number of spare diaphragm provided	1, 2 Or higher
	Type of Stethoscope	Adult Stethoscopes
	Binaural tube material	Drawn Brass confirming to IS 407-1961
	Diameter of Chest piece;DiaphragmSide (mm)	1 - 100
	Tunable Diaphragm	Yes, No
	Finish of Binaural tube	Chrome plated over nickle conforming to Grade C of IS:1068-1958
	Outer diameter of Y tubing (mm)	10 - 100
	Type of Chest piece	Bell

Detectable Sound frequency range (Hz)	0 - 1200
Ear pieces material	Bakelite, PVC, Nylon

Thudicum/St. clair thomos nasal speculum different sizes



Size 38mm 51mm 64mm and 89mm

Instrument Type: Nasal Speculum

Material: Stainless Steel

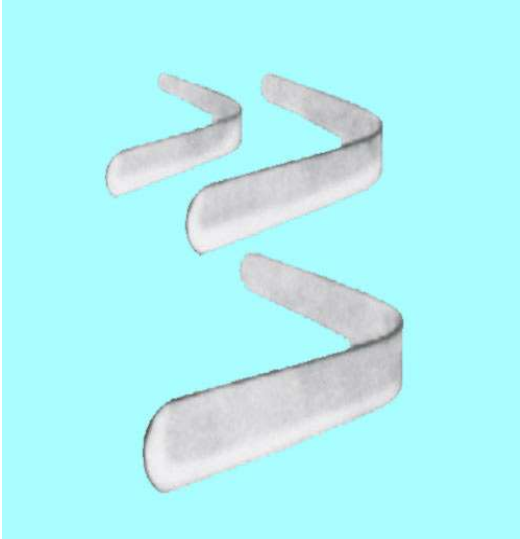
Disposable or Reusable: Reusable

Sterile or Non-Sterile: Non-Sterile

Material: Stainless Steel

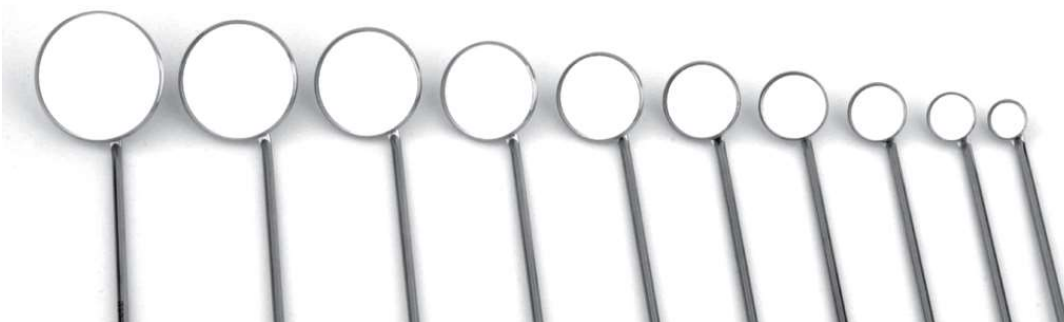
Steel Grade: Premium Grade Precision Crafted from Quality Stainless Steel

Lac's Tongue depressor different sizes



LACK TONGUE DEPRESSOR PH282535 Infant Size 12mm
Wide PH282536 Child Size 19mm Wide PH282537 Adult Size 22mm Wide
MAYO TONGUE DEPRESSOR PH282538 Child Size 140mm PH282539 Adult Size
200mm
Tobold Tongue Depressor with Hollow Handle PH282540 150mm
Tobold Tongue Depressor with Folding Handle PH282541 150mm
Wieder Tongue Depressor PH282542 Small Size 140mm PH282543 Large Size 150mm
Rowe Disimpaction Forceps Left Tongue Depressors Tongue Depressors PH272525
230mm Rowe Disimpaction Forceps Right PH272526 230mm

Laryngeal mirrors different sizes



size 00

8mm diameter mirror

Cat. #48-0038

size 0

10mm diameter mirror

Cat. #48-0040

size 1

12mm diameter mirror

Cat. #48-0042

size 2

14mm diameter mirror

Cat. #48-0044

size 3

16mm diameter mirror

Cat. #48-0046

size 4

18mm diameter mirror

Cat. #48-0048

size 5

20mm diameter mirror

Cat. #48-0050

size 6

22mm diameter mirror

Cat. #48-0052

size 7

24mm diameter mirror

Cat. #48-0054

size 8

26mm diameter mirror

Cat. #48-0056

Nasopharyngeal mirrors different sizes



size 00

8mm diameter mirror

Cat. #48-0038

size 0

10mm diameter mirror

Cat. #48-0040

size 1

12mm diameter mirror

Cat. #48-0042

size 2

14mm diameter mirror

Cat. #48-0044

size 3

16mm diameter mirror

Cat. #48-0046

size 4

18mm diameter mirror

Cat. #48-0048

size 5

20mm diameter mirror

Cat. #48-0050

size 6

22mm diameter mirror

Cat. #48-0052

size 7

24mm diameter mirror

Cat. #48-0054

size 8

26mm diameter mirror

Cat. #48-0056

Aural speculum different sizes



Rosen Aural Specula, self of four, round ends, **4mm, 5mm, 6mm and 7mm diam**, black finish, 1.5in 20.008 Rosen Aural Specula, set of four, oval ends, 4mm x 5mm, 5mm x 7.5mm, 6mm x 8.5mm and 7mm x 9.5diam, black finish, 1.5 in 20.009 .

Ear suction different sizes



Nasal suction different sizes



Siegel's speculum



This speculum is used to perform pneumatic otoscopy where the mobility of the ear drum can be tested. Ear drum mobility can be tested by varying the pressure levels at the external auditory canal and observing the movements of the ear drum in response to these pressure changes. Normal ear drum moves in response to pressure changes, i.e. it moves inwards when positive pressure is applied and moves outwards when negative pressure is applied.

Parts of Siegel's speculum:

- Bulb - Made from rubber with a one way valve which will enable it to pump out air. It is connected by a rubber tube to a speculum adapter.
- The speculum adapter is provided with a slanting lens which is convex in nature. This lens provides 2 1/2 time magnification of the image.
- Three aural specula are provided. Their sizes being 4, 5, and 6 mm. These aural specula fits snugly into the speculum adapter.

Tuning fork(512 Hz),(256 Hz) & (1021 Hz)



Made : Stain less steel

Nasalendoscope

Portable Mobile Endoscopy Unit 3 in 1 (Standard)

TV System Pal

Image Sensor 1/3" CCD

LED Power 5 Watt

White Balance Preset

Resolution 680 TVL

CCD Pixels 4,80,000

Minimum Illumination 0.8 Lux

Voltage 100 - 240 V AC

Features:

- Single power cable for unit
- Portable

- Extra output mode to connect PC to extra monitor

Other Details:

- Including of TFT monitor, Minilite source & endoscopy camera Pioneer Cam-II
- Portable, very light weight
- Very easy to carry from one clinic to another
- single power cable for unit

Extra output mode to connect PC to extra monitor

Laryngeal telescope with camera, monitor and light

The system should be multifunctional documentation unit. The system should have a high performance light source and high resolution min **15" Full HD Medical Grade LED monitor.**

Should have full HD camera

The system should have recording facility which can be controlled from the recording button on the handle of video laryngoscope.

The system should provide the facility of recording up to 900 still images.

Technical Specifications:

Video Laryngoscope :

Direction of view: 0 deg.

Angle of view: 80-90 deg.

Depth of view: 3-50 mm

Working length: minimum 30 cm

Outer diameter: **3.7 – 5.0 mm**

Deflection: Upward 130-180 deg, Downward 90-130 deg.

Should be provided with working channel and biopsy forceps of 2 nos.

Added Para :

Video laryngoscope should be of chip on tip Video scope

The following accessories should be included,
Carrying Case
Pressure compensation cap
Leakage tester
Mouth piece
Forceps - 2 Nos
The processor should be a multifunctional and compact unit for better space utilization. Should have integrated camera, LED light source (equivalent to 300 watt Xenon), Full HD video processor and monitor. The system should incorporate the following functional units,
The Video processor (Camera control Unit) should be able to produce, S-Video, Composite Video & DVI Interface.
The control unit should have integrated digital Image process module
The control unit should be able to connect control peripheral devices such as Video printer/Video recorder / Portable memory / Image recording system
A color temperature of 5500 K to 5700 K. Upto 1000 Hours lamp operating time.
The unit should have storage facility of still and video images through SD Card or USB Port or both
The compact unit should have high resolution min 15" Full HD Medical Grade LED monitor.
color monitor of high resolution 800 x 600 pixels.
The compact unit should have inbuilt high membrane keyboard for entering patient data
Should have automatic high electronic shutter speed.
Should have on screen menu display for all parameters.
Should have digital signal processing for high quality colour reproduction.
Should have automatic white balance for all Endo Light source.
The Control unit should have digital image processing module for enhancement control.
The unit should be easily transportable / portable without dismantling of the
camera systems.
Trolley should be provided for the entire unit
Should provide storage case to keep the laryngoscope
Individual prices for any consumable items offered should be quoted separately and the quoted price to be valid for warranty period.

Should have European BIS / EuropeanCE / US FDA Approved

OR

Should meet IEC 60601-1 & IEC 60601- 1-2 standards and submit valid test report from any NABL accredited labs or from the labs in their country of origin (in case of foreign manufacturers) for the quoted model)

Added Para :

The following to be supplied:

- 1. Computer (with minimum core i7 Processor , 16GB RAM, 2 TB SSD, Windows 11 or latest OS, minimum 21" color LED Monitor having resolution of 1024x768 resolution or better).**
- 2. Medical grade software for report generation.**
- 3. Color Laser printer for printing.**

Bayonet forceps



Bulls lamp



Head mirror



Head light with LED/Halogen lamp



Jobson horne probe

The slim flat tip has fine serrations to help grip absorbent material, e.g. cotton wool, to the probe. The end of the tip is plain, to avoid trauma to the ear tissue, with serrations starting 2.5mm from the tip and extending for 12.5mm down each side. The ring tip is 4mm OD.



Instrument tray



Kidney tray



Treatment unit



Usage	Clinic
Built-in Light Source	15v
Surface treatment	Polished
Material	Stainless Steel

1. x2 Spray Guns – One Straight and One Bend with Pressure Gauge.
2. Built-in Light Source 15v/150w Dual Outlet with Brightness Control.
3. Built-in Suction Machine with Suction Gauge (Twin Jars)

4. X-Ray View Box.
5. Nasal Cautery with Temperature Control.
6. Anti-Fog Device.
7. LED Pen Light for Endoscope Illumination.
8. x2 Stainless Steel Instrument Trays with Cover.
9. x2 Medicine Bottles.
10. Head Light Band.
11. LCD Monitor Tray with Adjustable Arm for Perfect View-Angle.
12. x2 Endoscope Holder with UV Sterilizer to Kill Bacteria.
13. Head Light Band Hanger.
14. x3 Drawers for Storage.
15. Endoscope Camera Holder.
16. Otoscope Holder.
17. Waste Can.

Tracheostomy set

Instrument Set Contents:

Name	Description	Quantity	Size (Length)	Price US (\$)
Operating Scissors TC	Straight Sharp/Blunt	1	5 ½"	8.5





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Mayo Dissecting Scissors	Straight TC	1	6 ¾"	9



Name	Description	Quantity	Size (Length)	Price US (\$)
Mayo Dissecting Scissors	Curved TC	1	6 ¾"	9





Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Halsey Needle Holders	Serrated TC	1	5 ¼"	9.45



Name	Description	Quantity	Size (Length)	Price US (\$)
Crile Forceps	Curved	2	5 ½"	5.25*2=10.5





Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Rochester-pean Forceps	Curved	2	6 ¼"	5.5*2=11



Name	Description	Quantity	Size (Length)	Price US (\$)
Allis Tissue Forceps	4x5	2	6"	5.5*2=11





MAST PAK
SURGICAL CORP.

Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Backhaus Towel Clamp	S/S	2	5 ¼"	4.5*2=9



Name	Description	Quantity	Size (Length)	Price US (\$)
Foerster Sponge Forceps	Serrated Straight	1	9 ½"	7.25





Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Adson Tissue Forceps	2x3 Delicate	2	4 ¾"	3.75*2=7.5



Name	Description	Quantity	Size (Length)	Price US (\$)
Semkin Dressing Forceps	Delicate Serrated	1	5"	4.15





MAST PAK
SURGICAL CORP.

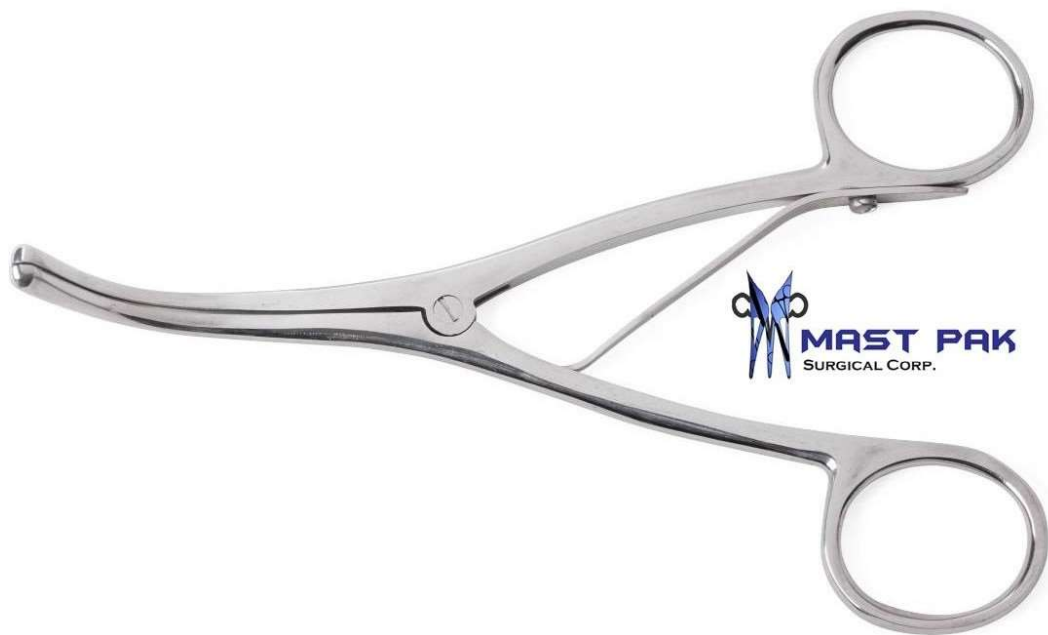
Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Trousseau Dilator	(15.2cm)	1	6"	16.55



Name	Description	Quantity	Size (Length)	Price US (\$)
Jackson Tracheal Retractor	Double Prong Blunt	1	7"	8.36





MAST PAK
SURGICAL CORP.

Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
News Tracheal Hook	German S/S	1	6"	8.75



Name	Description	Quantity	Size (Length)	Price US (\$)
Luer Retractor	Double/Ended	1	5 1/4"	6.34





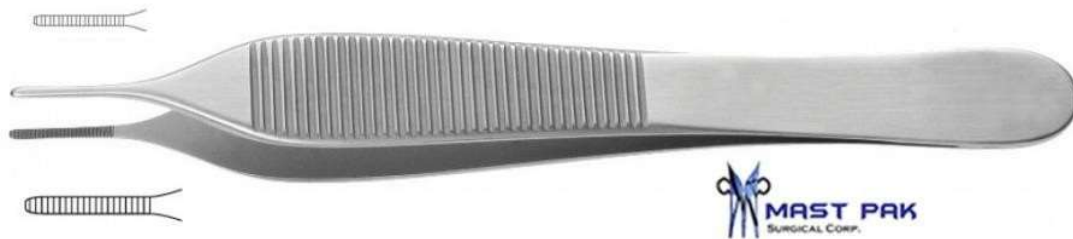
Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Dressing Forceps	Serrated	1	5"	3.75



Name	Description	Quantity	Size (Length)	Price US (\$)
Tissue Forceps	1x2	2	5"	3.85*2=7.7





MAST PAK
SURGICAL CORP.

Manufacturer and Exporter of finest Quality Healthcare Instrument's all





Manufacturer and Exporter of finest Quality Healthcare Instrument's all

Name	Description	Quantity	Size (Length)	Price US (\$)
Rochester Pean Forceps	Straight Delicate	2	5 1/2"	5.25*2=10.5



Name	Description	Quantity	Size (Length)	Price US (\$)
Director & Tongue Tie	S/S	1	5"	3.58





Manufacturer and Exporter of finest Quality Healthcare Instrument's all



Name	Description	Quantity	Size (Length)	Price US (\$)
Jackson Tracheotomy Tube	Original Steel	2	#7	19.35*2=38.7

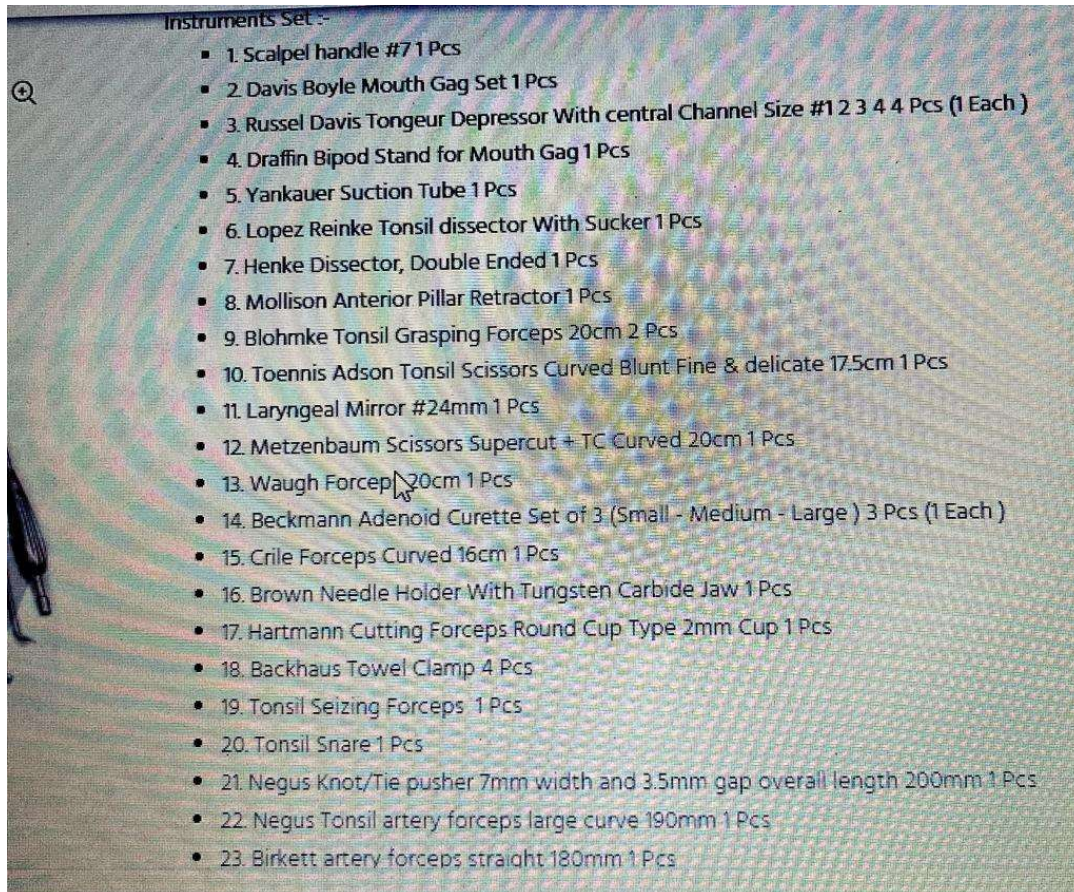




Name	Description	Quantity	Size (Length)	Price US (\$)
Jackson Tracheotomy Tube	Original Steel	1	#8	19.5



Tonsillectomy and Adenoidectomy set specifications



Set for nasal bone fracture





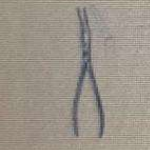
Jansen Ear Forceps



Faulkner Antrum Curette



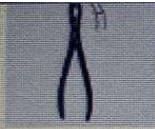
Mod. Vienna Nasal Speculum



Asch Septum Straightning Forceps



SURTEX® Cottle-Walsham Septum Straightning Forceps



Asch Septum Straightning Forceps



SURTEX® Cottle-Walsham Septum Straightning Forceps



SURTEX® Cottle-Walsham Septum Straightning Forceps



Boies Nasal Fracture Elevator

Septoplasty set

1. Scalpel handle #7	1 Pcs
2. Adson Tissue Dissecting Forceps Micro Fine Teeth 1x2	1 Pcs
3. Killian Nasal Speculums 35mm, 55mm, 70mm, 90mm 4 (1 each)	
4. Hartmann Nasal Forceps Light pattern Fine Model	1 Pcs
5. Hartmann Nasal Forceps Heavy Model Medium Size	1 Pcs
6. Weil-Blakesley Nasal Forcep, Straight	1 Pcs
7. Double Ended Freer Elevator Sharp / Blunt	1 Pcs
8. Cottle Septum Elevator Sharp / Blunt	1 Pcs
9. Metzenbaum scissors Fine Pattern Curved Tungsten Carbide + Supercut	1 Pcs
10. Stevens (tenotomy) scissors Straight 12cm Supercut + TC	1 Pcs
11. Cottle columella clamp	1 Pcs
12. Cottle lower lateral forceps 15 cm	1 Pcs
13. Frazier suction Tube 8Fr	1 Pcs
14. Frazier Suction Tube 10Fr	1 Pcs
15. Brown Needle Holder With Tungsten Carbide Jaw	1 Pcs
16. Takahashi Cutting Forceps Straight	1 Pcs
17. Jansen-Middleton Septum thru-cutting forceps	1 Pcs
18. Chisel Freer straight 4mm wide	1 Pcs
19. Chisel Freer curved 4 mm	1 Pcs
20. Hajek Septum Chisel 4 mm	1 Pcs
21. Cottle mallet	1 Pcs
22. Ballenger swivel knife	1 Pcs
23. Gorney Septum Suction Elevator	1 Pcs
24. Caplan Nasal Scissors Serrated Supercut	1 Pcs
25. Septum Through cutting Nasal Forceps	1 Pcs

26. Stainless steel sterilizing box

FESS set

1. Antrum Rotatable Back Biting Sinus Forceps 3mm Bite Size
2. Hueweiser Antrum Grasping Forceps 130mm Shaft Length 90 degree down
3. Kerrison Rongeur / Punch Upward
4. Kerrison Rongeur / Punch Downward
5. Giraffe Forceps Upward 55*



6. Giraffe Forceps Upward 90*
7. Weil Blakesley Nasal Forceps Straight 4mm Jaw
8. Weil Blakesley Nasal Forceps Curved Upward 45* 4mm Jaw
9. Pediatric / Delicate Weil Blakesley Nasal Forceps Straight Fine pattern
10. Pediatric / Delicate Weil Blakesley Nasal Forceps Upward 45* Fine
11. Takahashi Straight Cutting Forceps
12. Mushroom Forceps Straight (Circular Cutting Punch)
13. Scalpel Handle #7
14. ENT Sickle Knife
15. Antrum Ball Probe, Double Ended Maxillary Ostium Seeker
16. Double Ended Freer Elevator
17. Cottle Double Ended Elevator Sharp / Blunt
18. Antrum Curette
19. Hartman Forceps Light Pattern Small size
20. Hartmann Forceps Standard Medium Size
21. Delicate Metzenbaum Scissors Curved 15cm Supercut + TC Serrated
22. Mayo Scissors Curved Supercut + TC Serrated Blade
23. Frazier Suction Tube 8Fr
24. Frazier Suction Tube 10Fr
25. Frazier Suction Tube 12Fr
26. Antrum Suction Tube Curved 3mm
27. Antrum Suction Tube Curved 4mm
28. Crile Forceps Straight 16cm
29. Nasal Concha Scissors, Straight Fine Delicate Blades for Sinus 13cm
30. Vienna Nasal Speculum (Large)
31. Stainless Steel Sterilizing Box



TECHNICAL SPECIFICATIONS:

- **Material:** German Stainless steel
- **Rusting Prevention Procedure:** Passivated
- **Ultrasonic Cleaned:** Yes
- **Dull-Polished:** Yes
- **Tests Performed:** Boil Test, Performance Test, Shape Test
- **Packing:** Individually Packed in Sterilization Box
- **Grade:** High
- **Sterility:** Non-Sterile
- **QC Passed:** Yes

SALIENT FEATURES:

- Surgical grade **German Stainless Steel**.
- Made with superior quality clinical grade and autoclave able Material.
- Hand Matt Polished to avoid reflections and durability.
- Completely conformed to CE and ISO standards.
- Corrosion resistance, no chrome plating no risk of plating peeling off.
- Easy instruments care, all standard sterilization procedure applicable.

Tympanoplasty set

1. SuperMicro Ear Forceps Serrated 0.6×2.0mm Effective Length 75mm	2. SuperMicro Ear Forceps, Malleus Nipper, 0.8×2.0mm Effective Length 75mm
3. Ear Forceps Serrated Straight 1.0×4.2mm Effective Length 75mm	4. SuperMicro Ear Forceps Oval Cupped Jaw 0.6×0.8mm, Effective Length 75mm
5. Hartmann Ear Forceps Serrated Open close Tip Type	6. Micro Ear Forceps, oval copper jaws 0.8×1.0mm Effective Length 75mm
7. Shea Ear Scissors straight blade 6.0mm 75mm	8. Volkmann Retractor, 3 Prongs, Blunt
9. Lempert Ear Speculum, for inner ear, nasal speculum type	10. Asago ear speculum, inner diameter 4mm Brass
11. Tissue Forceps, Hook Tip Width 0.6mm length 130mm	12. Dissecting Forceps for surgical hook tip width 1.5mm length 130mm
13. Tissue Forceps, no hook, tip width 0.6mm length 130mm	14. Dissecting Forceps, For Surgical, No hook, Tip Width 1.5mm length 130mm



15. Lagenbeck Periosteum Raspatory, width 6.5mm	16. Lagenbeck Periosteal elevator
17. Lucae Ear Forceps, no Hook	18. Wullstein Raspatory, Curved
19. Micro iris Scissor Straight Supercut + Tungsten Carbide 115mm	20. Micro Iris Scissor Curved Supercut + Tungsten Carbide 115mm
21. Small pick left length 180mm	22. Round Knife, straight 2.5mm Diameter
23. Sickle Knife for Stapedius Muscle	24. Round Knife 45* Curved Diameter 1.0mm
25. Rosen Probe 90* tip length 0.3mm	26. Pick, Medium, Right, Length 180mm
27. Rosen Probe 90* Tip length 0.6mm	28. Pick, Medium, Left, Length 180mm
29. Rosen Probe, 90* Tip Length 1.0mm	30. Stainless Steel Sterilizing Box

TECHNICAL SPECIFICATIONS:

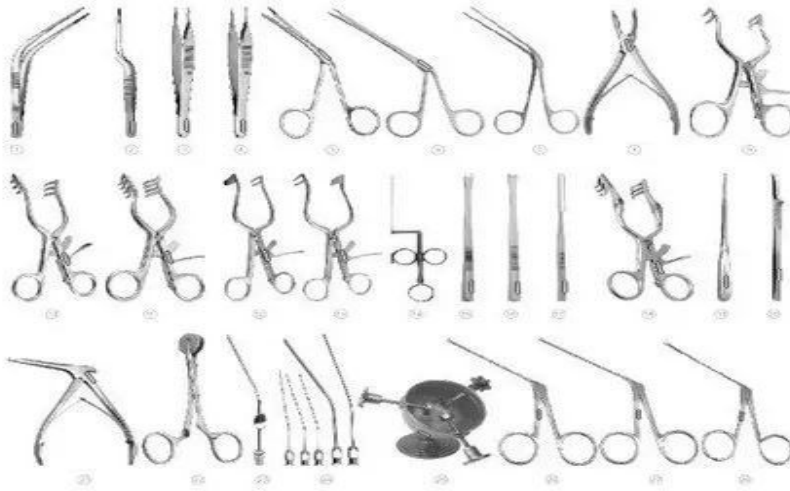
- **Material:** German Stainless steel
- **Rusting Prevention Procedure:** Passivated
- **Ultrasonic Cleaned:** Yes
- **Dull-Polished:** Yes
- **Tests Performed:** Boil Test, Performance Test, Shape Test
- **Packing:** Individually Packed
- **Grade:** High
- **Sterility:** Non-Sterile
- **QC Passed:** Yes

SALIENT FEATURES:

- Surgical grade **German Stainless Steel.**
- Made with superior quality clinical grade and autoclave able Material.
- Hand Matt Polished to avoid reflection and durability.
- Completely conformed to CE and ISO standards.
- Corrosion resistance, no chrome plating, no risk of plating peeling off.
- Easy instruments care, all standard sterilization procedure applicable.
- 100% satisfaction or your Money Back



Mastoidectomy set



1	06.103.00	Scalpel handle no. 3 12cm/4¾"	1 pc
2	06.107.00	Scalpel handle no. 7	1 pc
3	08.110.14	Scissors, bl/sh str 14,5cm	1 pc
4	08.160.17	MAYO scissors straight 17,0 cm	1 pc
5	08.207.10	LEXER baby scissors 10 cm TC	1 pc
6	10.102.14	Forceps dressing 14,5 cm	2 pcs
7	10.186.12	ADSON Micro forceps, 1x2 teeth, 12cm	2 pcs
8	12.221.12	HALSTED mosquito forceps	4 pcs
9	12.311.16	ROCHESTER PEAN hemost.forceps	2 pcs
10	14.111.09	BACKHAUS towel forceps 9cm/3½"	6 pcs
11	14.111.13	BACKHAUS towel forceps 13cm/5"	3 pcs
12	18.160.17	SENN retractor double sharp	1 pc
13	18.631.10	JANSEN retractor blunt 10 cm	1 pc
14	18.670.14	WEITLANER retract.sharp 14 cm	1 pc
15	24.180.14	MAYO HEGAR needleholder	1 pc
16	32.474.98	SPRATT bone curette fig. 00	1 pc
17	32.475.00	SPRATT bone curette fig. 0	1 pc
18	32.475.01	SPRATT bone curette fig. 1	1 pc
19	32.475.02	SPRATT bone curette fig. 2	1 pc
20	32.610.06	ALEXANDER chisel 17 cm 6 mm	1 pc
21	32.610.08	ALEXANDER chisel 17 cm 8 mm	1 pc
22	32.610.10	ALEXANDER chisel 17 cm 10 mm	1 pc
23	32.611.06	ALEXANDER gouge 17 cm 6 mm	1 pc
24	32.611.08	ALEXANDER gouge 17 cm 8 mm	1 pc
25	32.611.10	ALEXANDER gouge 17 cm 10 mm	1 pc
26	32.689.24	COTTLE Mallet , 300g, 19cm	1 pc
27	32.713.16	WILLIGER periosteal 16 cm, 5mm	1 pc
28	40.296.06	FRAZIER asp.cann.30* 6 Fr.12.5cm	2 pcs
29	44.018.00	BOUCHERON ear specula set = 4	1 pc

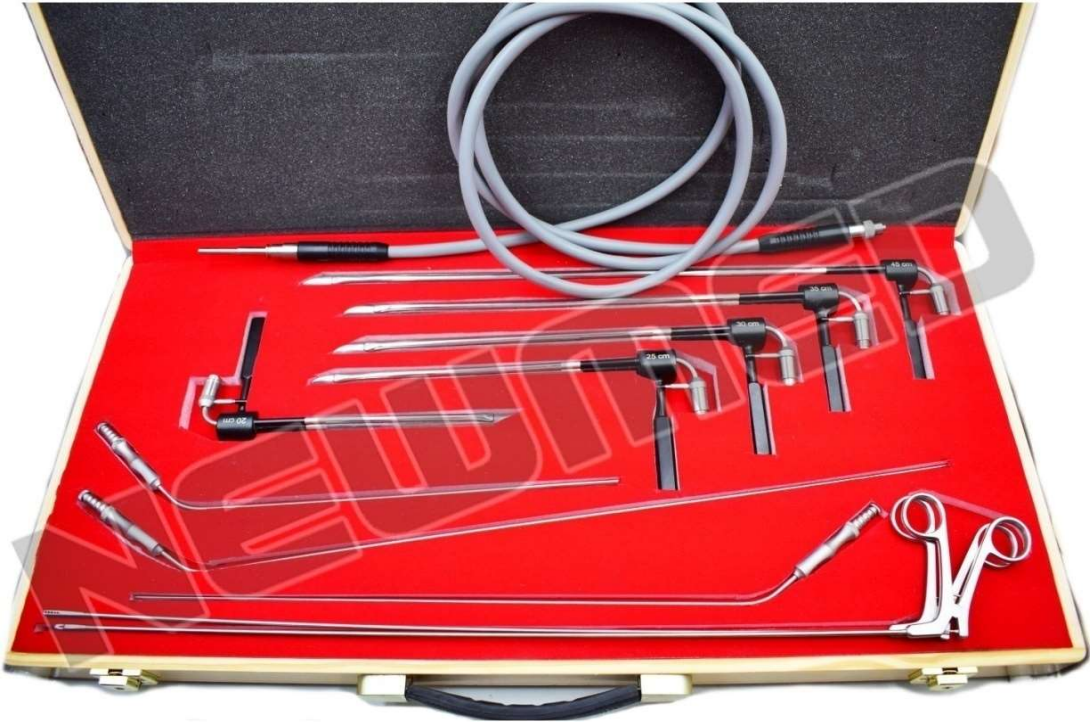
30	44.115.01	BUCK ear curette cvd.blunt 1, 16,5cm	1 pc
31	44.115.02	BUCK ear curette cvd.blunt 2, 16,5cm	1 pc
32	44.162.18	SEXTON ear knife 18cm straight	1 pc
33	44.206.16	LUCAE ear forceps bayonet sh.	1 pc
34	46.303.04	KERRISON punch 90mm/4x4mm up cutting	1 pc
35	46.303.05	KERRISON punch 90mm/5x5mm up cutting	1 pc
36	64.120.15	ALLIS tissue forceps 15cm 5x6t	2 pcs
37	88.144.42D	Instrument tray 450x350x50mm with lid	1 pc

Stapedectomy set

- Knife To Make Vertical Incision
- Knife To Make Horizontal Incision
- Elevator Rounded Tip
- Sharp Pointed Needle
- Hook 45 Degree Upward
- Hook 45 Degree Downward
- Hook 90 Degree Right
- Hook 90 Degree Left
- Measuring Device



Oesophagoscopy set



- Esophagoscope 20cm
- Esophagoscope 25cm
- Esophagoscope 30cm
- Esophagoscope 35cm
- Esophagoscope 45cm
- Micro Cup Forceps For Esophagoscopy 50cm length
- Micro Forceps Graspers for Esophagoscopy 50cm Length
- 3 Micro Suction Tubes For Esophagoscopy
- Universal Light Cord which can be used with all Famous Brands Light Source with compatible with Esophagosscopes.
- Premium Quality Wooden Box packing for Esophagoscope Set

Bronchoscope set

BRONCHOSCOPE SET



VM601 VM602 VM603 VM604 VM605	Infant bronchoscope Infant bronchoscope Pediatric bronchoscope Pediatric bronchoscope Adult Bronchoscope	ø3.5 x 220mm ø4 x 250mm ø5 x 280mm ø6 x 280mm ø7 x 290mm	
VM538	Tracheal foreign-body forceps (Wheat-jaw)	ø2x320mm	
VM535	Tracheal foreign-body forceps (Crocodile-jaw)	ø2x320mm	
VM511 -1	Tracheal foreign-body forceps (Wheat-jaw)	ø1.8x360mm	
VM512	Tracheal foreign-body forceps (Crocodile-jaw)	ø1.8x360mm	
VM515	Tracheal foreign-body forceps (peanut-jaw)	ø1.8x360mm	
VM520	Tracheal foreign-body forceps (three jaws)	ø2x360mm	
VM513 VM514 VM550	Suction Tube Suction Tube Suction Tube	ø3.5 x 320mm ø3 x 320mm ø4 x 320mm	
VM549	Cleaning rod for suction tube		

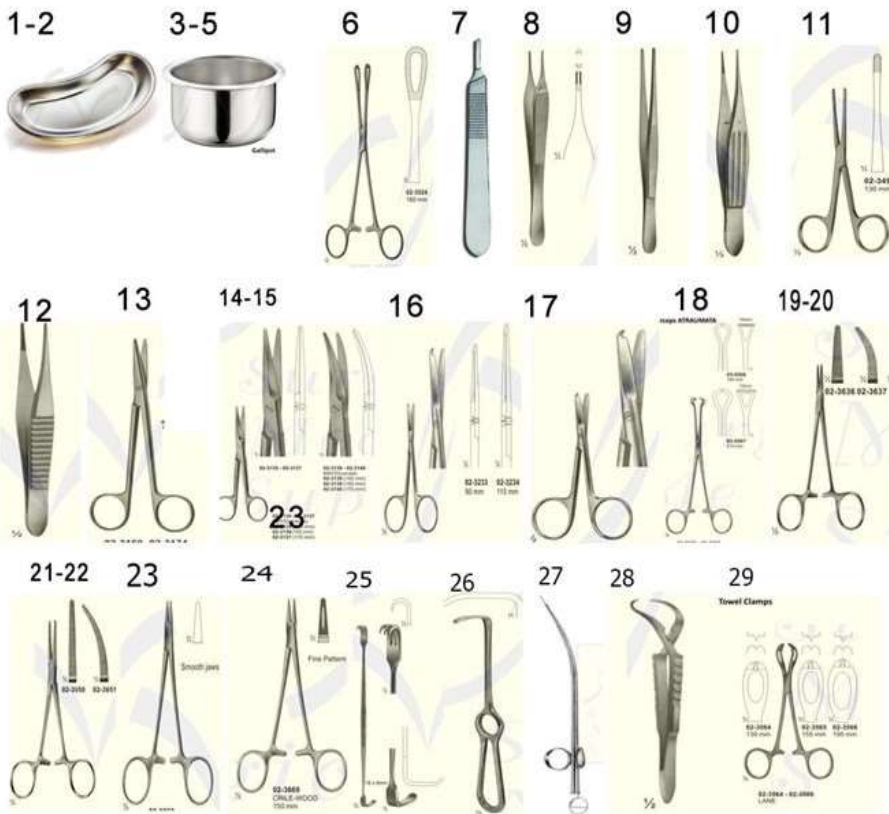
Excision Biopsy set



SMS instruments >>>
Surgical Medical Supplies

www.smsindus.com

EXCISION SET



Direct laryngoscope set



LED Laryngoscope Set

Micro ear examination set



Material	Stainless Steel
Usage/Application	Hospital
Instrument Type	SS
Length	3-6mm
Country of Origin	Made in India
Color	Silver

Nasal packing set



Nasal endoscopy trolley with 0 degree & 30 degree 4mm endoscope with light source, cable, monitor & camera

Higgingson syringe





The In Line Bulb Enema Syringe is made of rubber and features a tapered end. It allows you to control the flow of liquid entering your body. The included nozzle is 2.5 inches long and 0.32 inches in diameter.

Aural syringe



This instrument is the metallic aural syringe, an instrument used for syringing of the ear, an OPD procedure.

Aural syringing: This procedure helps in -

1. Removal of wax from the ear
2. Clean up the external auditory canal fungus
3. To remove non hygroscopic ear foreign bodies

Intubation set



- Laryngoscope Adult with 3 Blades Set.
- Disposable Airways Size 3,4,5 (1 Pcs each)
- Tape (1 Pcs)
- ET Tube (Adult)(2 pcs)
- Magil Forceps (Large) - 1 Pcs.
- Nasopharyngeal Airways- 7.5,8,8.5 mm (1 Pcs each)
- Bougie-Large (1 Pcs.)

Operating microscope for major operation theatre





The whole microscope is smart, portable, specially suitable for mobile hospital.

Eyepiece Magnification : 12.5x
Objective : 200mm
Working Distance : 190mm
Magnification for Main Microscope : 5.3x, 8x, 12x
Diameter of Field : 38mm, 25mm, 17mm
Adjustable Diopter : 5D
Adjustable Range for Pupil Distance : 50mm-70mm
Illumination Source : 12V/100W Cold Halogen Lamp
Illumination Type : Coaxial Illumination
Coaxial Illumination : 80000 Lux
Reaching Range of Arm : 870mm
Adjustable Vertical Range : 700mm-1100mm
Fine Focusing Range : 30mm
Voltage : AC220V/ 50Hz
Power : 120VA
Safety Electrical Standard : Conform to Standard IEC 601 -1.
Whole Packing Volume : Class1 Type B, 0.2m
Carton Number : 1
Total Weight : 41Kg

Operating microscope for minor operation theatre





SOM® 62 Ophthal Basic



SOM® 62 Ophthal Basic +



SOM® 62 Ophthal Advanced

Usage/Application	Hospital
Magnification	5 step Apochromatic Magnification changer
Drawtube	Binocular
Material	Metal
Foot Control Paddle	Yes. Motorised focus through foot pedal
Objective	200 mm Apochromatic Objective
Packaging Type	safe cardboard packing
Power Supply	230 V AC
Eye Piece	Wide field 10X eyepiece
Halogen Lamp	15V 150W
Optical System	Apochromatically corrected optics
Illumination	Halogen 15V 150W
Eyepiece Tube	10X widefield eyepiece
Tube	60 degree inclined Binocular tube
Optional Xy-Coupling	Yes. Optional
Working Distance	200 mm
I Deal In	New and Second Hand
Minimum Order Quantity	1

Puretone audiometer



GENERAL SPECIFICATIONS POWER DIMENSIONS AND WEIGHT • L x W x H: 370 x 290 x180 mm • Net weight: 3.5 kg TEST TYPES Pure Tone test, Autothreshold, ABLB, Speech Test, Stenger, DLI, SISI, Bekesy, Tone Decay, MLB, Multifrequency, GAP, DLF (Difference Limen for Frequency), High frequency up to 20 KHz DISPLAY • 7" TFT Color display USER INTERFACE • Multilingual PRINTER • Built-in fast thermal printer with paper width: 112 mm supplied as standard part REPORTS • Printed on thermal printer • .pdf report created directly from the device and stored on USB Pen drive with possibility to add patient data and tests comments via the USB Keyboard (optional) • Data transfer to PC using Resonance Management Data Suite DATA TRANSFER TO PC • Via cable through USB port COMMUNICATION PORT • Nr.1 USB host type A • Nr.1 USB slave type B WINDOWS® COMPATIBLE SOFTWARE • Resonance MDS Management Data Suite POWER SUPPLY • 110 - 240 V AC 50/60 Hz 40 VA • Fuses: 2 x T 1 A L 250 V CONSUMPTION • Max current: 0.15 A • Power consumption: 40 VA ENVIRONMENTAL OPERATING ENVIRONMENT • Storage: -20° C up to +50° C • Operating: +15° C up to +35° C • Humidity: up to 90%,



(non-condensing) • Ambient pressure: from 700 hPa up to 1060 hPa QUALITY SYSTEM STANDARD ACCESSORIES OPTIONAL COMPLIANCE/REGULATORY STANDARDS Designed, tested and manufactured to meet the European and International Standards: • MDD 93/42/EEC and its revised versions: Class IIa (as referred to in Annex IX, rule 10 of said MDD 93/42 EEC) • Safety: IEC 60601-1, 3rd edition, Class 1 Type B • EMC: IEC 60601-1-2 • Audiometer: to IEC 60645-1; IEC 60645-2 and ANSI S3.6 Type 1A AUDIOMETRY OPERATING SPECIFICATIONS RANGE • Frequency range: 125 - 8000 Hz (with DD45) 8000 - 20000 Hz (with HDA300) 250 - 8000 Hz (with B71W) • Range stimuli level -10 up to 120 dB HL ACCURACY • Frequency < 0.5% • Distortion < 1% • Attenuator linearity 1dB per 5 dB step, max 3 dB whole range TYPE OF SIGNALS • Pure tone: sine wave 125 to 8 KHz signal (to 20 KHz for HDA300) • Warble: ± 5% frequency sine wave modulated, modulation: sine wave 5 Hz • Narrow band noise: 24 dB/oct filtered noise • Speech noise: 1 kHz 12 dB/oct filtered noise • White noise • External signal • External mike • Speech material recorded on SD card • Master Hearing Aid: 1 KHz 6, 12, 18, 24 dB High pass filters • On/Off rise – fall time: 40msec OUTPUT TRANSDUCERS • ACR, ACL up to 8 KHz: 10 ohm DD45 matched pair earphone. IP30 Insert earphones (optional) • ACR, ACL up to 20 KHz: HDA300 Sennheiser • BC: B71W Radioear; B81 (optional) • INSERT: Insert transducer • Free field output: 600 ohm impedance STIMULUS PRESENTATION MODALITY • Presentation: Normal, Reverse, Extended (present tone for 1 second from 20 dB below the maximum level) • Modality: Continuous, Pulsed (rate 0.5, 1 and 2 Hz), Alternated (ABLB and MLB 0.5, 1 and 2 Hz) • DLI increment levels: 0.1 in steps of 0.1dB up to 1.0 dB; 1.5, 2, 3, 4, 5 dB • DLI increment recurrence rates: 0.5 Hz, 1 Hz, 2 Hz • SISI increment recurrence rates: 0.2 Hz, 0.5 Hz, random. Time on 300ms • SISI increment level: 0.25, 0.5, 0.75, 1, 1.5, 2, 3, 4, 5 dB • Bekey: mode sweep and fixed; Continuous, Pulsed and LOT; exam duration 30 sec and 60 sec. Manufactured, designed, developed and marketed under an ISO 13485, ISO 9001 certified quality system. Medical CE marks and FDA approval. Resonance makes no warranty, nor assumes any legal liability or responsibility for the accuracy, typing errors or mistakes, correctness or completeness of any information in this datasheet. The information in this datasheet was correct to the best of our knowledge at the time of printing.

Brainstem evoked response audiometer with ASSR

TECHNICAL

2 TECHNICAL CHARACTERISTICS

Technical characteristics (specific to this type of device):

"Brainstem Evoked Res

- 2 channels.
- Should have ability to record under physiological and electromagnetic noises Impedance measurement should be built in and displayed on screen.
- Signal presentation: right, left and both.
- Should have pre-programmed auto tests



• Stimulus types: Click, Pure Tone, Tone Burst, Speech and User Defined Stimuli, and chirp stimuli
Stimulus rate: 0.1 to 80.1

- Intensity: 0-100dB nHL
- Tone Burst 10 to 120 dB on 250 to 8000 Hz
- Analysis time should be short, fast and reliable.
- Masking : White noise or notched
- The unit should have filters : low pass and high filter
- The unit should have digital filter for analysis.
- Early latency result

ASSR:

- Stimulus - Modulated Tone, Clicks
- Intensity: up to 125 dB SPL
- Frequency response up to 5000Hz or better
- Should be able to test multiple frequencies simultaneously for both ears
- Automatic Generation of Audiogram in SPL/ HL
- Phasor diagram should be generated automatically.
- Frequency and intensity based phasor diagram.
- FFT Values should be displayed
- Should have spectrum graph

- Preamplifier
- 2 channels
- Gain 80 dB
- Noise 6.0 nV Hz
- CMR Ratio > 115 dB at any frequency between 0.1Hz & 10Hz.
- Input Impedance > 10M
- Accepted electrode offset > 300mV.
- Power from main unit.
- Impedance Check
- Measuring Current 25uA.
- Ranges 0.5k - 25k

User's interface: Manual

Software and/or standard of communication (where ever required) :

NA



3 PHYSICAL CHARACTERISTICS

Dimensions (metric) : NA

Weight (lbs, kg) : NA

Configuration : NA

Noise (in dBA) : NA

Heat dissipation: NA

Mobility, portability : Handheld device

4 ENERGY SOURCE (electricity)

Power Requirements: The unit should be provided with 2kVA online UPS.

Battery operated : Yes

Tolerance (to variations, shutdowns) : NA

Protection: NA

Power consumption: NA

5 ACCESSORIES, SPARE PARTS, CONSUMABLES

Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) :

1) Battery-2nos

2) Insert ear phone -no

3) Reusable EAR specula of 2mm, 3mm, 4mm two from each. The specula should be autoclavable.

2) Storage case (rigid and steady)"

5) The unit should be supplied with PC of Core i5 processor with 19inch LED screen, RAM-2GB, Hard disc-500Gb

6 ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS

Atmosphere / Ambiance (air conditioning, humidity, dust ...) :

1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.

2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%."

User's care, Cleaning, Disinfection & Sterility issues Disinfection:



Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.

7 STANDARDS AND SAFETY

Certificates (pre-market, sanitary, ..); Performance and safety standards(specific to the device type);Local and/or international

- 1) Product should be USFDA/CE (notified) approved
- 2) Should have IEC 60601-1/IEC 60601-1-2/CE (EU) certificate;
- 3) Manufacturer / supplier should have ISO 13485 certificate for quality standard;"
- 4) Calibration should be as per ANSI 3.6/Equivalent

8 TRAINING AND INSTALLATION

Pre-installation requirements: nature, values, quality, tolerance

A

Requirements for sign-off Certificate of calibration and inspection from the manufacturer

Training of staff (medical, paramedical, technicians) "

- 1) Training of users on operation and basic maintenance;
- 2) Advanced maintenance tasks required shall be documented

9 WARRANTY AND MAINTENANCE

Warranty: 3 years

Maintenance tasks

- 1) Maintenance manual detailing;
- 2) Complete maintenance schedule;

Service contract clauses, including prices

- 1) The spare price list of all spares and accessories required for maintenance and repairs in future after guarantee / warranty period should be attached;
- 2) Free servicing (min. 2/year) during warranty period including calibration

N

OAE Impedance Audiometer



Facilities and tests

Tympanometry, Acoustic Reflex, Reflex Decay, Quick test: Check, screening and Decay, Acoustic Reflex Latency test (ARLT), Multifrequency Tympanometry, EFT (intactand perforated)

Accessories

- Probe assembly with contra headphone and insert receiver
- Built-in fast thermal printer/Printout through Laser printer (Laser printer should be provided).
- Data transfer to PC cable
- Data storage PC software
- Computer Desktop with laser printer
- Standard UPS

Tympanometry

- 226 HZ for Admittance (Y) curve tympanometry
- 1000HZ for Admittance (Y) curve tympanometry

INTENSITY

- 226 HZ : 85 dbSPL

ADMITTANCE MEASUREMENTS

- Compliance range: 0.05 up to 7 ml

AIR PRESSURE

- Control : automatic and manual
- Range : from +400 up to -600daPa adjustable in 50 daPa steps
- Pressure accuracy : 10 daPa or $\pm 10\%$
- Sweep rate : 50,100,200,300 daPa/sec and automatic



- Safety limitations : -800 up to +600 daPa

EUSTACHIAN TUBE FUNCTION

- EFT test for use with both intact and perforated eardrums

Flexible nasopharyngolaryngoscope

Specifications:

A. Flexible nasopharyngolaryngoscope endoscopes (Chip on Tip) -01 no

- It should produce sharp images with color spectrum for laryngeal, oropharyngeal and hypopharygeal structure.
- It should have automatic and manual control light intensity.
- Should have electronic zoom upto 2X-1.5 X.

Field of view:	80° - 90°
Direction of view:	0°
Focal/Observation range:	3 mm – 50 mm or better
Working length:	300 mm- 350 mm
Distal End Width:	2.2 to 3.8 mm
Bending angle up / down:	130° / 130°
Ventilating cap:	01 Nos
Leakage Tester:	1

B. Flexible nasopharyngolaryngoscope endoscopes (Chip on Tip) -01 no

- It should produce sharp images with color spectrum for laryngeal, oropharyngeal and hypopharygeal structure.

Field of view:	80° - 140°
Direction of view:	0°
Focal range:	3 mm – 50 mm or better
Working length:	300 mm- 400 mm
Working Channel:	2.0mm or more
Distal End Width:	3.5 to 5.5 mm
Bending angle:	Up / down :130° / 130°
Flexible cleaning Brush:	1
Ventilating Cap:	1
Biopsy valve:	10
Leakage Tester:	1

C. Full HD Video Processor Module:



- Should be compatible with Analog, HD-SDI/3G-SDI/DVI-D(Any two HD Outputs), RGB-TV x 1, S VIDEO x 1, VIDEO x 1(Any two SD Outputs) for a HDTV monitor should be available.
- Should contain the electronics to operate Multi optical zoom for clear visibility of near & far objects.
- Suitable for Optical enhancement technology to provide high Contrast Images while performing Optical Magnifying Endoscopy and while observing microvascular and micro surface patterns of the mucosal layer.
- System should support Close focus up to 1.5 mm to get enhanced image for diagnosis
- Should have LCI (Linked Colour imaging) /RDI & TXI – Advance Image Enhancement Endoscopy, Special light function for detection of surface patterns and vessels and slight color difference should be visualized with natural tone using Red Component.
- Suitable for BLI/BLI-Bright/ NBI/ISCAN-OE, Optical enhancement technology to provide high Contrast Images while observing microvascular and micro surface patterns of the mucosal layer.
- Should be compatible with Optical zoom with provision of Step wise & continuous zoom.
- System should be compatible and upgradable with AI (Artificial Intelligence) in future.
- Equipped with high resolution HDTV Imaging capacity and have stand by option to exchange the Scopes.
- No white balance compulsion.
- Compact, lightweight (10-15 kg) and ergonomically designed.
- Recording of both still & moving images.
- Should be compatible and upgradable with Enteroscopy scopes & EUS system for future up gradation.
- System should be equipped with one touch connection of scopes and should have Contact free technology with Power feed should be through Wireless electrical supply, Image Transmission should be through high-speed optical fiber.
- Portable Memory & USB Slot for image recording with 4 GB internal memory and external USB (2GB) Automatic IRIS control & automatic white balance
- Electronic Zoom 2.0 X or more with Recording of both still & moving images.
- Equipped with automatic light adjustment forced air cooling, regulated air feeding pump and fan with low noise.
- Light weight not more than 12 kg.
- Processor should be latest launch in India at the time of quoting the tender.

D. Light Source (Quantity 1):

- Long life Multi LED light source (3 or more LED bulb) with minimum lamp life of 6000 hours/Xenon 300 watt (additional 5 bulbs to supplied to equate lamp life)
- Backlit front panel indicators.
- Equipped with automatic light adjustment forced air cooling, regulated air feeding pump and fan with low noise.



- Compatible for waterproof one touch connector.
- Compact & light weight design weight up to 15 Kg.
- Integrated/Separate, light weight and ergonomically designed.
- Should be latest launch in India at the time of quoting the tender.

E. Medical Grade Monitor (Quantity 2)

- 26” or more medical grade monitor compatible with the above quoted system.
- Screen size 26 inches or more.
- Medical Grade monitor
- Full HD display (1920x1080)
- Compatible picture in picture display with compatible video processor and endoscopes.

F. System should be supplied with below mentioned items -

- Compatible trolley to mount the system
- HD Reporting and Reporting Software
- Computer system with i5 processor, 8GB RAM & 1 TB HDD or higher
- Laser color printer.
- Biopsy Forceps (2 No.)

Terms and conditions:

- The system must have standard comprehensive warranty of 5 years and should quote CMC for next 5 years.
- Should be European CE/US FDA certified/BIS/CDSCO/Indian Standards.
- CMC offered for the quoted equipment should not be more than 5% of the quoted model with not more than 5% escalation per year after completion of CMC period.
- CMC offered for the quoted equipment must be on OEM letterhead for further years. CMC offered on distributors / vendor letterhead will not be considered
- Installation process should be performed by OEM trained service engineer/ service representative on OEM’s letter head/ service report, with a mandatory provision of providing preventive service visits of OEM trained service engineer/ service representative quarterly per year till completion of warranty period (i.e. 20 visits for first five years) and further quarterly visit (04 visits/ year) till the completion of CMC period.
- The installation process must be completed by the OEM/ Service provider within 30 days of supply.
- The accessories/ consumables utilized during the period of installation process should be taken care FOC by OEM/ Service provider.
- The equipment complies with the requirement of the Medical Device Directive of class I equipment and Electromagnetic compatibility; all supporting documents must be provided.
- Equipment should have brand name / model number embossed/ etched on the equipment.

In case of technical snag/ failure/ breakdown, the response time for Inspection should be within 72 Hour and repair within 10 days, otherwise provide a service machine until the period of recovery of breakdown of the unit. Failing which will attract penal action as per the decision of the INSTITUTE (Uptime guarantee of 95%).



Electronystagmograph

Specifications

1. Should be USFDA or European CE certified by notified agency.
2. High quality ISO certified with sensitivity of 105 images per second binocular, 174 images/sec monocular
3. Goggle with one camera and goggle with 2 cameras (non occluded and occluded view)
4. Able to perform all vestibular test including smooth pursuit test (tracking)
5. Compatible with latest window software
6. Laptop with minimum 1.8GHz, 2GB DDR3 RAM, 160GB hard disc with resolution of 1024x768 resolution or better
7. Rotatory chair, irrigator for water and air should be included.

