



Expanding Access to Modern Healthcare Technology

For more information,
visit our website by scanning
the QR code below.



Healthcare **Consultancy, Sales & Rental** Unit of The Indian Orient 2025

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About Cerulean MediVital —

Cerulean MediVital is the healthcare support vertical of The Indian Orient 2025, dedicated to improving access to quality medical technology and equipment in the northeastern states of India, starting with Manipur. Launched in the month of March 2026, Cerulean MediVital specializes in the sales and rental of advanced medical devices and healthcare equipment, supporting hospitals, clinics and healthcare professionals to adopt latest technologies available in the market today by updating their skills through continuous training and workshops.

About The Indian Orient 2025 —

The Indian Orient 2025 is a registered non-profit trust committed to sustainable development, social innovation, environmental responsibility, healthcare access, and creative expression across India. We work as a multi-vertical platform that brings together environmental action, public health outreach, and media-driven cultural engagement under one unified vision of community-led impact. Under its umbrella, The Indian Orient 2025 nurtures purpose-driven initiatives such as ReTreeFy Manipur, Cerulean MediVital, and 3Sides2Story, each addressing distinct areas of environmental awareness, healthcare support, and communication.

To learn more about our various projects, scan the QR code below.



Cerulean
+MediVital

Cerulean
+MediVital

Founder's Message

At Cerulean MediVital, we believe access to advanced healthcare technology should not be limited by geography. Across Northeast India, many institutions face challenges in accessing modern medical equipment and treatment capabilities. Our purpose is to first bridge this gap by enabling hospitals and clinics with advanced medical equipment through flexible sales and rental solutions. Further, through digital healthcare systems and integration, and advisory-led enablement and consultancy, Cerulean MediVital aims to enable and build pathways for institutions to deliver more accessible, efficient, and future-ready care, strengthening healthcare delivery across emerging and underserved markets.

Ajay Chanam

Founder & Managing Trustee



1470nm/980nm

LASER PROCTOLOGY

Laser Proctology is the surgical treatment of diseases of the colon, rectum and anus using a laser. Common conditions treated with laser proctology include *hemorrhoids, fissures, fistula, pilonidal sinus and polyps.*



Hemorrhoids

Under LA/GA, laser energy is delivered by bare fiber directly to the hemorrhoidal nodes causing them to shrink from inside while preserving the mucosa and sphincter structure to an extremely high precision. Laser energy is used to close off the blood supply nourishing the abnormal growth.



Advantages of Laser Proctology

Minimally Invasive
Day Care Procedure
Less Bleeding, Less Trauma
Faster Healing
Scarless Treatment

Fistula

Laser energy is delivered by optical fiber into the anal fistula track and is used to thermally ablate and close off the abnormal pathway. The laser energy induces destruction of the fistula epithelium and simultaneous obliteration of the remaining fistula track by shrinkage effect.

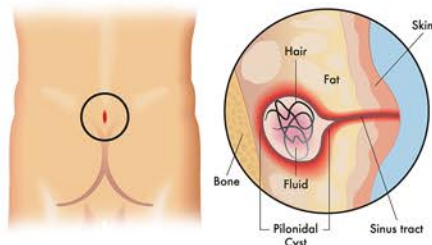


Device Specifications

Laser type	Diode, Semiconductor
Wavelength	1470/980 nm
Max Power	15 watts
Aiming beam	635nm, < 5mw
Operation Mode	Continuous or pulsed
Pulsed Time	0.05ms~1000ms
Beam Delivery	SMA905 connector
Optic Fiber Compatible	Optic fibers having a core from 200um to 1000um, NA=0.22~0.48
Beam Emission Initiation	Footswitch
Controller	Microprocessor
Display	10.1" IPS/5.5" LCD with touch panel Medical approved
Cooling	Internal, air and thermoelectric cooling
Power supply of the laser	DC 24V/8.33A from the separate AC
Power supply of AC adapter	Single phase 100~240VA; 50-60HZ, Max 90w
AC Adapter	DC 24V/8.33A Medical approved
Laser Dimensions	27x11x19 cm / 20x20x10 cm (length*width*height)
Laser weight	2.75kg / 1.7kg
Laser case dimensions	56x35x23 cm / 19x13.4x9 cm
Weight of laser with cases	9kg
Environmental conditions during work	From +10 to 24°C, relative humidity from 30% up to 60%
Class of Medical Device	IIB
Laser safety Class	4
Electric Safety Class	I type B
Housing Protection Degree	IP20b
Footswitch Protection Degree	IPX6

Fissure

Under LA, using laser, the pathological tissue of the anal fissure is vapourised and has higher efficiency rates as compared to traditional suturing and other alternative methods. It is the most modern technique for treating anal fissure.



Pilonidal Sinus

Laser treats pilonidal sinuses in depth, is literally non-invasive, completely painless and heals the cyst noticeably faster. The removal process takes approximately 30 minutes in most cases. Recurrences are rare when treated with laser.

1940nm/1470nm/980nm

VARICOSE VEINS

Endovenous Laser Treatment (EVLT) is a procedure leading to occlusion of varicose veins. It involves putting a fiber optic into a saphenous vein through a catheter. The laser is turned on and slowly withdrawn from the vein.

Endovenous Laser Treatment (EVLT)

There are two possibilities of performing the treatment: Pulsed and Continuous wave operation. In the pulsed operation, the fiber is withdrawn step-by-step, whereas in the continuous wave operation, the fiber is withdrawn continuously. The continuous wave operation provides more homogeneous illumination of the vein and better results.



1470nm / 15W

LASER LIPOSUCTION

Laser liposuction, also called Body Contouring, is a cosmetic surgical procedure to reshape and slim specific areas of the body by removing excess fat deposits and improving body contours.

Laser powered by the 1470 nm diode device, along with recent innovations, brings the cutting-edge technology for Liposuction, including targeted fat removal with minimal bleeding and bruising with less physical exertion and a faster recovery in patients.

The procedure can be performed on any part of the body where the fat deposit usually collects, such as thighs, hips, buttocks, abdomen, waist, chest area, upper arms, back, cheeks, neck and calves.



Liposuction Cannula



Cerulean
 MediVital
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GYNAECOLOGY

We offer various solutions for Gynaecology and Cosmetic Gynaecology using *Diode Laser, CO2 laser, Radio Frequency, Microwave, Ultrasound, Magnetic Stimulation* and *Imaging*.



- ☑ **Laser** (Diode & CO2) therapies offer a wide range of treatment options in both Hysteroscopy and Laparoscopy. In laser therapy, myomas, polyps, dysplasia, cysts and condylomas are treated by cutting, enucleation, vapourization and coagulation.
- ☑ **Radio frequency** is used for Vaginal Rejuvenation, Majora/Minora Development and Skin Lustering.
- ☑ **Microwave** ablation technique is used to treat benign uterine diseases like fibroids, adenomyosis and abnormal uterine bleeding (AUB).
- ☑ **High Intensity Focused Ultrasound** (HIFU) is used for sonic vaginal rejuvenation/tightening and vaginal pressure management.
- ☑ **Magnetic Stimulation** System is used to treat urinary incontinence, sexual dysfunction, chronic pain and pelvic organ prolapse. It also helps strengthen the pelvic floor after childbirth, improves sexual intimacy and satisfaction, and flattens the tummy.
- ☑ **Imaging**, such as the Video Colposcopy, is used for detailed examination of the Cervix, Vagina and Vulva for the presence of suspicious lesions.

For Cosmetic Gynaecology

1470nm / 15W

Diode Laser with
LVR and SUI Probe



Stress Urinary Incontinence
(SUI) Handpiece

Vaginal Rejuvenation Probe

CO2 LASER

Fractional, Vaginal
CO2 Laser System

Different Modes

Vaginal 
Vaginal rejuvenation, Vaginal elasticity improvement, Colpoxerosis and SUI improvement.

Surgical 
Surgery, Nevus, Wart, Tumor removal.

Zoom 
Similar to the surgical application, with a bigger spot size.

Fractional 
Aesthetic, Acne scar, Pore, Wrinkle, Laser resurfacing, Pudenda Whitening/texture improvement.



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କର୍ମକ୍ଷେତ୍ର ମାଧ୍ୟମରେ

Hair Removal Laser

Professional Diode Laser
755/808/1064 nm



- ☑ Three Wavelength
- ☑ Treat all kinds of hair color from black hair to white hair
- ☑ Treat all skin types, from white to dark skin
- ☑ No pain and shorter treatment sessions
- ☑ Effective and safe treatment for permanent hair removal

Radio Frequency



Kegel Exerciser

A small comfortable probe is placed just a few centimetres into the vagina, which sends gentle impulses to the correct pelvic floor muscles.

High Intensity Focused Ultrasound (HIFU)



Magnetic Stimulation Chair

- ☑ 7 Tesla magnetic field for deep penetration
- ☑ 100Hz pulse frequency ensures effective treatment
- ☑ Liquid cooling system for non-intermittent work



Video Colposcopy

For detailed examination of the cervix, vagina and vulva for the presence of suspicious lesions



DSC-102 Pro

- ✔ Full HD
- ✔ Telemedicine system
- ✔ Convenient joystick operation
- ✔ Image conversion
- ✔ Image management
- ✔ 18W LED lamp loaded
- ✔ Easy connection with PC/Laptops

PLASMA

(Centrifuge + Plasma Generator + Needle)



Centrifuge



Bio Filler



PRP Kit

- 3No - 15ml Tubes
- 1No - Pipette
- 1No - Ampule
- 1No - Blood Removal Cannula
- 1No - Syringe (3 ml) with Needle



ERECTILE DYSFUNCTION

ED Treatment with Smart-E

The Smart E is a low-intensity shockwave therapy (LISWT) device that uses high-frequency shockwaves to enhance male sexual function, performance and overall health.



SMART - E

The results after a course of treatments typically last for 2-3 years. Depending on the degree of erectile dysfunction, an average of about 5-8 treatments is needed to achieve a lasting improvement in the erection.

Benefits

- ✔ Enhances Erection
- ✔ Improves Sexual Performance
- ✔ Increases Sensation
- ✔ Treats ED & Peyronie's Disease



PLDD

1470nm/15W



Percutaneous Laser Disc Decompression (PLDD) is a minimally invasive procedure used to manage pain caused by issues in the spine's nerves. This procedure is done with the patient awake, and it involves a small incision where a tiny tube with laser is carefully inserted under x-ray guidance. The laser is then used to relieve pressure on the disc, reducing discomfort.

Main Indications

- ✔ Degenerative Disc Disease
- ✔ Bulging Disc
- ✔ Pinched Nerve (Nerve Root Compression)
- ✔ Sciatica

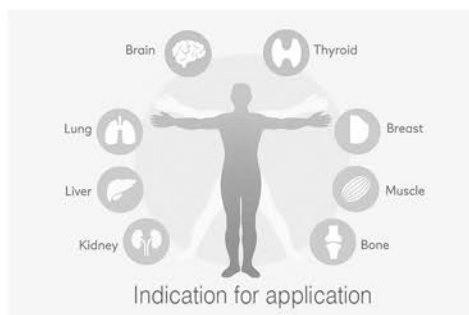
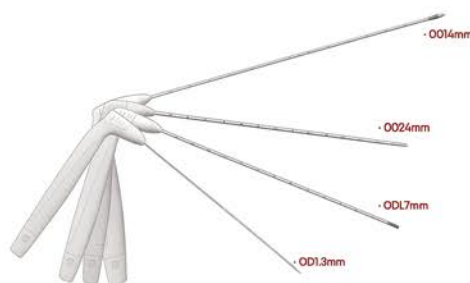
ONCOLOGY

We offer various technology solutions in oncology that are based on *Microwave, Argon-Helium Cryoablation, Electroporation, Radiosurgery and Proton Beam.*

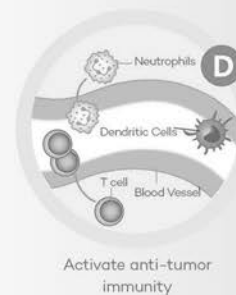
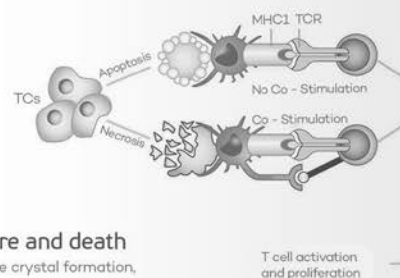
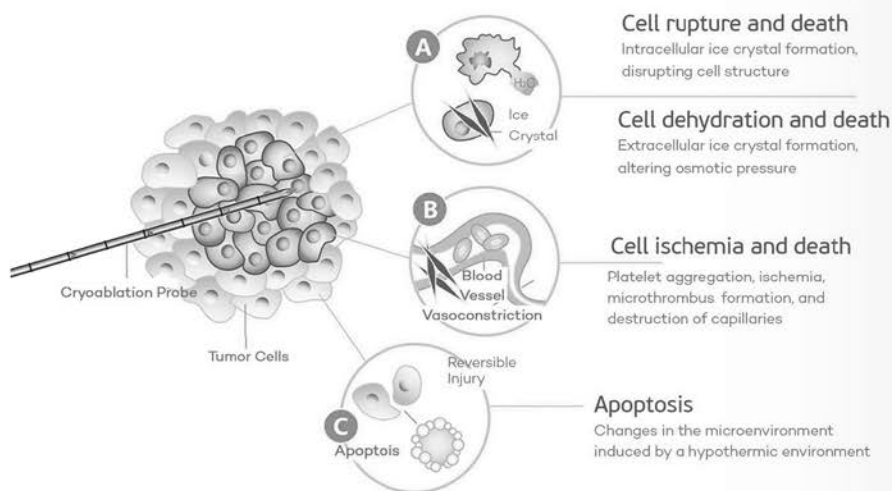
Argon-Helium Cryoablation

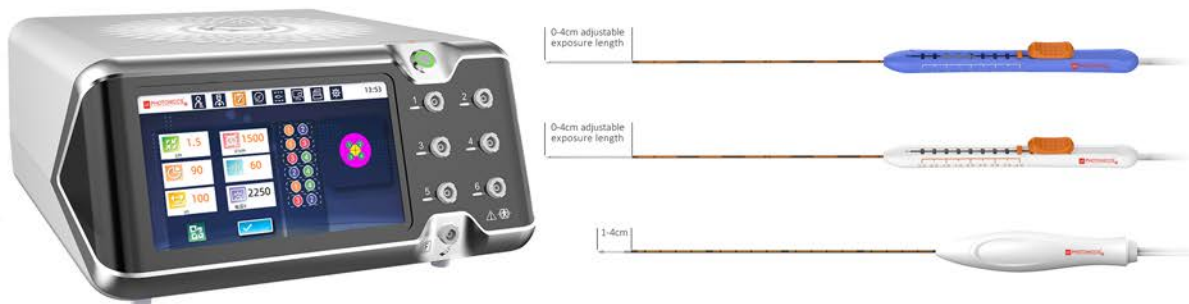
Cryoablation Therapy Process

Under imaging guidance, a single-use sterile cryoablation probe is precisely inserted into the target area. Based on the Joule-Thomson principle, high-pressure argon gas flows through a small aperture, creating a throttling effect that rapidly lowers the temperature in the cryoablation area. Within 15-30 seconds, the tumour tissue is quickly frozen to below -150°C . After the freezing process lasting 10-20 minutes, the high pressure helium system is activated for thawing ($20^{\circ}\text{C} - 40^{\circ}\text{C}$). The tumour cells are fully destroyed after 2/3 freezing-thawing cycles.



Mechanism of cryoablation





Irreversible Electroporation (IRE) Generator

Irreversible electroporation (IRE) is a new tissue ablation technique in which micro to millisecond electrical pulses are delivered to undesirable tissue to produce cell necrosis through irreversible cell membrane permeabilization.

IRE & RF Dual Energy Platform

Potential implant metastasis is effectively eliminated, and the risk of bleeding is reduced due to its ability to switch to RF mode to do needle track ablation with the same probe after the IRE procedure.

Selective Targeting

The IRE system selectively targets the tumour cells and spares surrounding blood vessels, nerves, and other critical structures.

Non-thermal Ablation

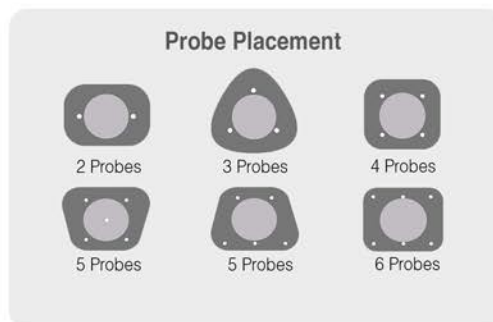
The system utilises electrical pulses to induce irreversible electroporation which leads to apoptosis. It has no heat sink effect and no thermal damage to surrounding tissue.

Induction of Apoptosis

Irreversibly damaged cells may undergo apoptosis followed by necrosis with time after electroporation.

Activate Immune System

IRE could be regarded as a potential immunomodulatory treatment and might induce extensive changes in immune cells or indexes after ablation.



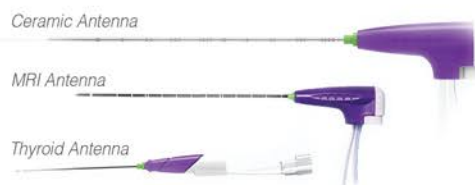
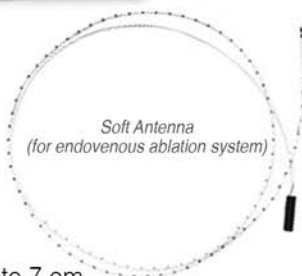
ECO Microwave Generator -200G

Tumour & Endovenous Ablation System

The ECO Microwave Ablation System can be used to treat tumors in the liver, kidney & lungs, breast fibroadenoma, uterine fibroids, thyroid nodules, varicose veins and osteoid osteoma.

Advantages

- ☑ Minimally Invasive
- ☑ Fast Recovery
- ☑ Large Ablation Zone of upto 7 cm
- ☑ It can be used in combination with Surgery, Radiotherapy and Chemotherapy
- ☑ No surgical scar



Vacuum-Assisted Breast Biopsy & Aspiration System (VABB)

VABB is a minimally invasive surgical technique used for breast cancer diagnosis or to remove benign lesions like fibroadenoma.

Innovation Improves Clinical Outcomes

Cutter location of sample aperture is adjustable by 1 mm

Precise rotary-cutting of breast lesions of different sizes to meet specific clinical needs.

Sample length ranges from 5-30mm

Minimum sample length is only 5mm, ensuring precise cutting of small lesions and maximum preservation of surrounding normal tissues.

Pioneering design of triple blades and unidirectional rotary cutting

Sharper & reliable puncture and smoother rotary cutting provide complete and unground specimens.

Automatic transfer and collection of specimen

No more stops for sample collection during the operation, saving time and facilitating the process.



Tissue Sampling Procedure



Step 1
Image-guided
puncture



Step 2
Vacuum-assisted
aspiration



Step 3
Rotary cutting
of breast lesion



Step 4
Vacuum transfer
of specimen

ZAP-X Gyroscopic Radiosurgery

Developed by Dr. John R Adler, a world-renowned professor of neurosurgery and radiation oncology, ZAP-X is a state of the art radiosurgery system designed for non-invasive treatment of intracranial and certain cranio-cervical tumors — a system shattering all stereotypes about radiosurgery.

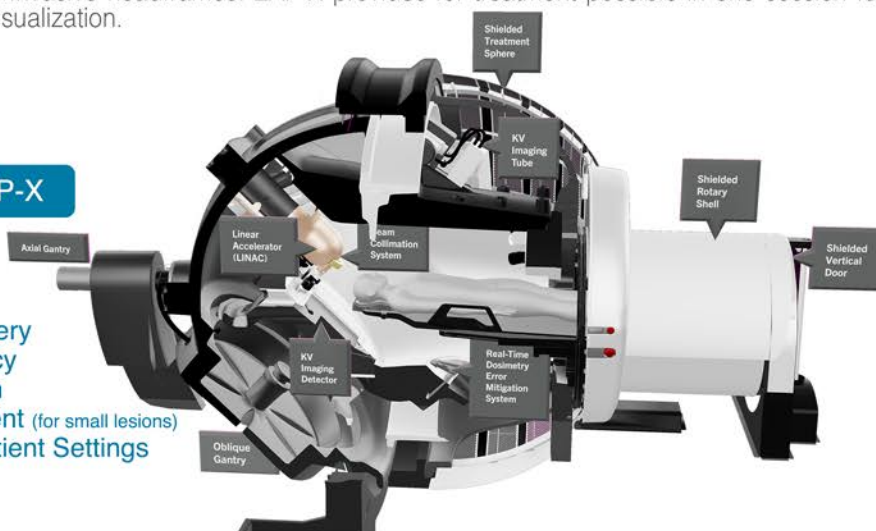


Unlike traditional radiosurgery systems that rely on radioactive sources, ZAP-X uses a high-energy photon beam, a beam knife, delivered by a dedicated linear accelerator, LINAC — not a radioactive source, making operations safer and simpler.

ZAP-X is revolutionary because of its highly focused X-ray beams delivered with **gyroscopic precision** using its own built-in accelerator with **no radioactive sources**, requiring **no bunker** for additional radiation shielding. It delivers submillimeter accuracy using a non-invasive thermoplastic mask for immobilization — a comfortable patient-friendly alternative to invasive headframes. ZAP-X provides for treatment possible in one session for small lesions and real-time visualization.

Salient Features of ZAP-X

- ☑ No Bunker (Vault)
- ☑ No Cobalt
- ☑ Gyroscopic Radiosurgery
- ☑ Sub Millimeter Accuracy
- ☑ Real-time Visualization
- ☑ Single session treatment (for small lesions)
- ☑ Unprecedented Outpatient Settings



Clinical Conditions for ZAP-X

Intracranial

- ☑ Metastatic brain lesions, primary and CNS malignancies
- ☑ Primary and secondary tumours involving the brain parenchyma, meninges, etc.
- ☑ Benign brain tumours
- ☑ Sarcomas, Chondrosarcomas, Chordomas and nasopharyngeal or paranasal sinus malignancies
- ☑ Select vascular pathologies like cranial arteriovenous malformation and cavernous malformation

Spine

- ☑ Cervical spine metastases

Functional & Behavioural

- ☑ Trigeminal Neuralgia
- ☑ Medical Refractory Epilepsy
- ☑ Movement disorders like Parkinson's tremors
- ☑ Hypothalamic Hamartomas

Head and Neck

- ☑ Radiosurgical boost therapy
- ☑ Skull base tumours

P-Cure

Patient Centric Proton Therapy

The P-Cure system is the only gantry-less proton therapy system that can treat both seated and supine patients in Linac-like vaults. It offers advantages to the patient's (both child and adult) physiology, facilitates optimal treatment plan delivery, and enhances patient comfort. It is also unique in its ability to offer existing oncology centres with an available Linac room the option to expand their treatment options to include proton therapy without the need to build a separate proton centre.



Clinical Indications

- ✔ Central Nervous System (CNS) malignancies such as brain tumours, spinal cord tumours, and other neurological cancers.
- ✔ Head and neck tumours such as those affecting the nasal cavity, paranasal sinuses, salivary glands, and other structures in this region.
- ✔ Thorax tumours of the lungs, oesophagus, sarcomas, and lymphomas.
- ✔ Abdominal tumours, such as those of the liver, pancreas, and sarcomas.
- ✔ Pelvic malignancies like prostate cancer and other gastrointestinal cancers.
- ✔ Paediatric malignancies that include a variety of childhood cancers, both in anaesthetised and non-anaesthetised patients.

Why P-Cure?

Synchrotron Accelerated Proton Beam — It utilises a synchrotron to accelerate the proton beam, making the system more compact and energy-efficient compared to traditional cyclotron-based systems.

Modulated Beam Scanning — The proton beam is digitally controlled and scanned across the tumour, maintaining precision and adaptive delivery of the radiation.

Compact and Modular Design — The entire system is highly compact and modular, allowing for easy installation in existing treatment rooms without the need for specialised construction.

ENT

We offer a wide range of minimally invasive solutions in ENT using Blue laser system, Diode and CO2 laser system, RF Plasma coblation system, and the RF Surgical Unit system.

Portable Blue Laser Surgery System

The 445 nm blue laser is a CO₂+KTP-like laser unit for coagulation, vaporisation, and bloodless surgery owing to its peak absorption in haemoglobin and its permeability in water. This enables considerably better and gentler cutting even at lower power, making it ideal for all surgical applications and haemostasis.
















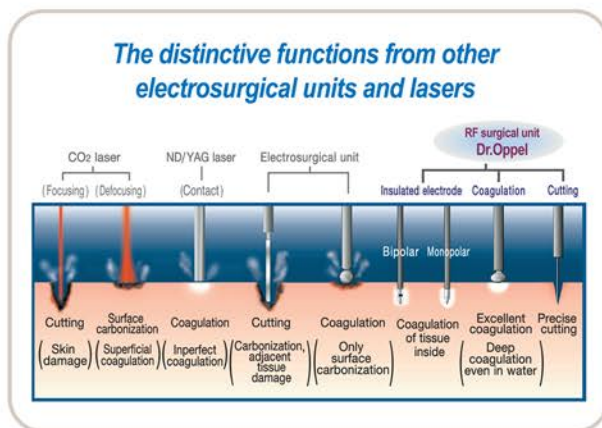
ECO Radio Frequency (RF) Plasma Surgical System

Under a low-frequency electric field of 100 kHz, a plasma thin layer with a thickness of about 100 μ m is formed around the electrode by normal saline. This layer is composed of high-energy ions that have enough kinetic energy to break the organic molecular bonds of the target tissue and vaporise it. It can realise the functions of tissue cutting, ablation, and coagulation at a low temperature of 40-70 degrees Celsius, which can effectively avoid the defects of heat damage, a large amount of bleeding, and negative plate sticking.

Dr. Oppel's 4 MHz Radio Frequency (RF) Surgical Unit

Dr. Oppel's Radio Frequency Surgical Unit, which operates at 4 MHz, is designed to perform haemostasis, cutting, and coagulation with precision and safety. The electrodes do not heat up by themselves, but instead let the cellular tissue produce the Joule heat. This makes it safer and does not leave burns or cause sparks during operation. The 4MHz radio frequency makes it possible to achieve precise cutting and deep coagulation even in blood.

- E04a**  Ø3 Straight ball(L90), Coagulation to 2mm depth, rapid superficial coagulation
- E04b**  Ø3 Bended ball(L90), Coagulation to 2mm depth, rapid superficial coagulation
- E05a**  Ø2 Bended ball(L90), Epistaxis hemostasis
- E09**  Blade (Straight), Hemostatic cutting and surface coagulation
- J03**  Ø0.3 tungsten wire L15 Needle (Cutting)
- J04**  Ø0.3 Regular L15 round Needle (Cutting)
- J10**  Ø0.5 Stainless steel bended electrode (Ear drum perforation electrode for exudative otitis media)
- K02**  Super Fine Ø0.2 Loop (Resection)
- K04**  Fine Ø0.25 Loop (Resection)
- N04**  Fine L8 Ø0.25 Oval Loop (Resection)
- T01**  Bipolar cord (For "T" series)
- T16**  Ø1.3 Insulated bipolar electrode for snoring treatment (soft palate ablation) and hemorrhoid
- T17**  Ø1.3 Insulated electrode for tissue ablation of turbinate mucosa (for hypertrophic rhinitis)



Other Medical Devices Used In ENT



3D Video Operating Microscope System



CO2 Fractional Laser



ECO Microwave Generator



Video Laryngoscope



Video Laryngoscope



Microsurgery Loupe



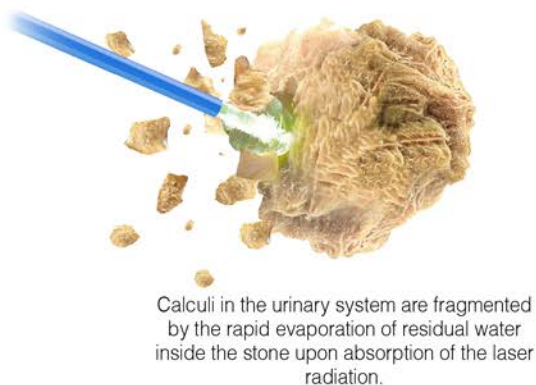
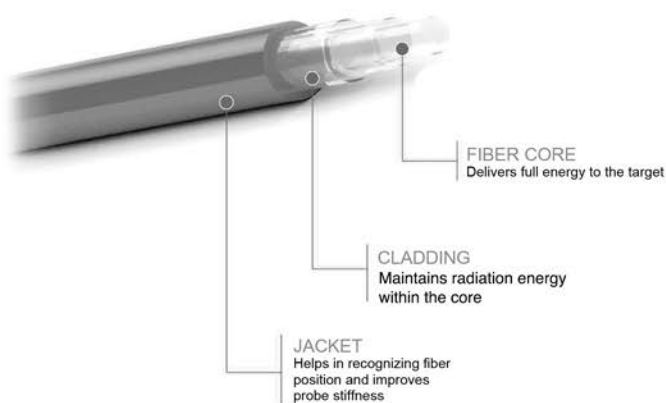
980nm/15W Diode Laser

UROLOGY

We offer minimally invasive urology solutions using Holmium and Thulium laser, Lithotripter, Uroflometer and Morcellator, among others.

Holmium Laser

The AR Photonics Holmium laser with emission at 2100nm wavelength is highly absorbed by water and biological tissue, providing excellent cutting, ablation and haemostatic properties. The limited radiation penetration (0.3-0.4mm) results in minimal damage to surrounding tissue. It serves as an ideal solution for stone and BPH treatment in urology as well as other interventions across a range of specialities.



STANDARD FIBERS

For general use in stone and soft tissue treatments



SIDE FIRE FIBERS

Side fire fibers are commonly used in the treatment of prostate enlargements.



PERFORMANCE FIBERS

Designed to deliver great power even with small fibers



GASTRO FIBERS

Specifically designed for the fragmentation of gallstones

Thulium Laser

1940nm/40W/65W

The AR Photonics Thulium laser ablates both soft and hard tissues. All treatment modalities benefit from its excellent haemostatic properties, which are provided by the long pulse duration in the tissue mode.

Patients benefit from the bloodless treatment, early catheter removal, immediate symptomatic improvement, better urine flow, and shorter hospital stay.

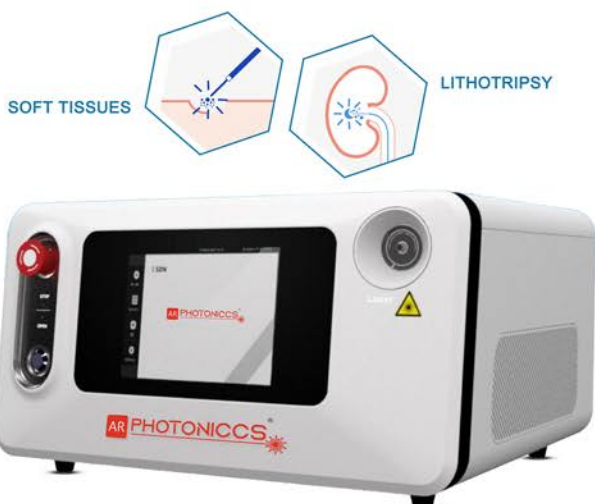
Applications:

- ✔ Laser Lithotripsy
- ✔ Treatment of BPH/Prostate
- ✔ Opening of Strictures
- ✔ Treatment of bladder tumours
- ✔ Bladder neck incision
- ✔ Ablation of condylomata



Dual Pedal Foot Switch

Orange and blue pedals can be used to easily switch between "Power Fragmentation" and "Popcorning". An additional standby function allows the user to activate/deactivate the laser as needed.



Electrohydraulic Lithotripter

Safer Standard For Hepatolithiasis Surgery

Under direct visual control of an endoscope, electric pulses with energy lower than 1J create a shockwave that shatters the calculi, ensuring enough energy for lithotripsy while also avoiding damage to the tissues. This is effective in curing gallbladder and liver stones.



Advantages

- ✔ Accurate and steady energy output
- ✔ Lithotritize and extract stones synchronously
- ✔ Minimally invasive and safe
- ✔ Electrode life can be dynamically monitored
- ✔ Flexible electrodes enable reaching stones lodged deep



Hepatobiliary stones treatment



"T" pattern gall duct calculus treatment



Choledoch stones lithotripsy under ERCP

Uroflowmeter

A Series — Smartflow

Features

- ✔ Portable, wireless, and easy to use
- ✔ Fast and re-printable reports (80mm thermal paper)
- ✔ Personalised report template configuration
- ✔ High precision measurement
- ✔ Height-adjustable urinary flow stent
- ✔ Automatic data annotation and parameter result analysis



Uroflowmeter

B Series — Urodyn + Flowmeter

Features

- ✔ Real-time flow display on-screen
- ✔ Intuitive Touchscreen software
- ✔ Rapid report printout
- ✔ Wireless and quick guides for setup & training
- ✔ "Spinning Disk" technology for high accuracy and reliability
- ✔ A potent software filter to screen out artefacts



Uroflowmeter

C Series — Smartscale

Features

- ✔ Wireless and hygienic design to prevent overflow and splashes
- ✔ Fully automatic
- ✔ Automatic analysis including Liverpool, Siroky & Bristol nomograms
- ✔ Easy-to-use software with a SQL database
- ✔ High security level for data protection
- ✔ Automatic Start/stop function



Morcellator



Features

- ✔ Minimally invasive with a faster recovery time for patients
- ✔ 5-inch LCD screen, dual motor output
- ✔ Waterproof brushless motor
- ✔ A triple pedal footswitch that can switch functions — anti-skid, anti-rollover, stepless speed regulation



Foot Piece



Hand Piece



Blade Ø 4.8mm, WL 420mm



Portable Irrigation Pump

Features

- ✔ Light-weight, portable, and convenient to use in operating rooms and wards
- ✔ Wide range of flow rates for different clinical needs
- ✔ Disposable outflow tubing reduces the risk of cross-infection & the cost of re-sterilisation
- ✔ A rechargeable battery power source can last for 4 to 8 hours

Flexible Video Ureterorenoscope

Features

- ✔ Optimized imaging
- ✔ User-friendly - self-locking & bending function, smooth bending angle control
- ✔ Bullet-tip design for easier drilling
- ✔ Toughened insertion tube

HU30
9.3FR
Substantial for normal cases

HU30S
7.5FR
Common ultra slim



HU32 | 8.5 FR

VETERINARY

We offer minimally invasive to non-invasive diagnostics as well as treatment solutions using lasers, imaging, and microwave technologies..

Veterinary Diode Laser System

Dual and Four Wavelengths (650/810/915/980 nm)

The AR Photonics veterinary diode laser offer wide range of treatment options such as pain management, inflammation reduction, wound healing, infection control, soft tissue surgeries, ENT procedures, dental applications, as well as castration and sterilization.

4 WAVELENGTHS



650nm

Laser therapy will inhibit bacteria and promote cell growth in the superficial tissue layers, as a result, best in wound healing and scar tissue regulation.



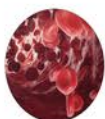
810nm

Photo absorption will accelerate ATP cellular production for each oxygen reduction cycle.



915nm

Better absorption in water of our body, lower tissue penetration capacity, absorbed near surface, laser energy transformed heat creates warm feelings and analgesic effect.



980nm

Better tissue penetration avoiding water for adequate laser dose into deep tissues for an acceleration of cellular activity.



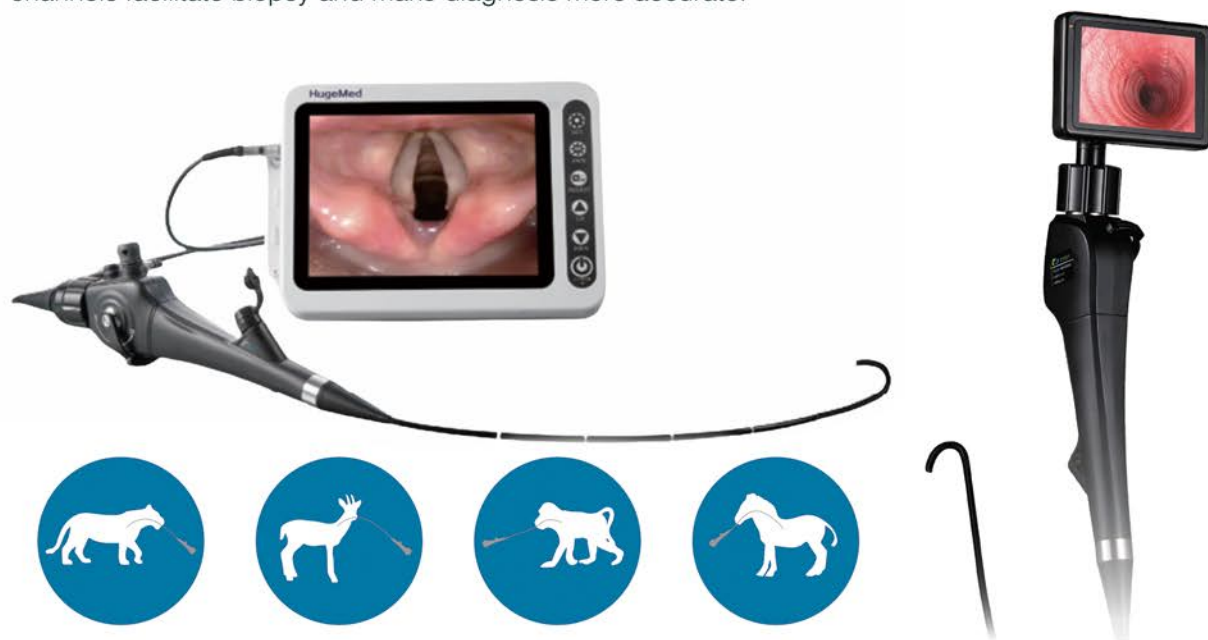
Key Features

- ✔ Android-based touch screen with step-by-step guidance.
- ✔ Over 300 built-in treatment presets.
- ✔ Ability to create and save custom settings.
- ✔ Treatment record storage for patient tracking.
- ✔ Lightweight and compact design for easy transport.
- ✔ Suitable for both clinic and field use.

Flexible Endoscope for Veterinary

VL3S-V

HugeMed multi-purpose veterinary endoscope, with its long length and portable design, is suitable for a variety of veterinary applications, including tracheoscopy and rhinolaryngoscopy. Large working channels facilitate biopsy and make diagnosis more accurate.



Model		M28	M30	M40	M52	M58
Optical system	Field view	120°				
Insertion tube	Distal end outer diameter	2.8mm	3.0mm	4.0mm	5.2mm	5.8mm
	Working length	600mm	600mm	1000mm	1000mm	1500mm
Working Channel		/	1.2mm	2.0mm	2.6mm	3.0mm
Angulation Bending	Bending	130° up/210° down				
Application		Small animal bronchoscope, rhinolaryngoscopy, ureteroscopy		Medium animal bronchoscopy, rhinolaryngoscopy	Medium animal bronchoscopy, Gastroscopy	Medium/Large animal bronchoscopy, Gastroscopy



Display

- 6 function buttons
- Photo and video recording
- 8 GB storage



Easy Handling

- Fast installation & disassembling
- Stays firm and efficient



Function

- Suction button
- Working Channel







Distal Tip

- Standard 160k pixel
- 130° U/160° D

Semi-disposable Flexible Endoscope

INTENT/MEGA



	<p>Portable</p> <ul style="list-style-type: none"> • Light weight and compact; • Especially convenient for veterinary surgical room, bedside inspection, outpatient, etc 		<p>High Definition Camera</p> <ul style="list-style-type: none"> • 1280*720px resolution for clear, high quality imaging
	<p>Low Installation</p> <ul style="list-style-type: none"> • Raises cash flow ratio; • No maintenance cost; • No disinfection cost. 		<p>Multiple Models Selection</p> <ul style="list-style-type: none"> • 1.2-3.4mm working channel, 2.2-6.0mm outer diameter, 600/1000/1500mm working length optional

Model Wise Specification

Type	Model	O.D.	I.D.	Bending Angle(up/down) Rotation (left/right)	Field of View	Working Length
INTENT	VBR-M21	2.1mm	1.2mm	285° Up/down,120° Left/right	120°±10%	700mm
	VBR-M25	2.5mm	1.2mm	210° Up/down,120° Left/right	120°±10%	600mm
	VBR-M58	5.8mm	3.4mm	210° Up/down,120° Left/right	120°±10%	600mm
	VBR-M58-15	5.8mm	3.4mm	210° Up/down,120° Left/right	120°±10%	1500mm
MEGA	VBR-M40H	4.0mm	1.2mm	210° Up/down,120° Left/right	120°±10%	600mm
	VBR-M52H	5.0mm	2.2mm	210° Up/down,120° Left/right	120°±10%	600mm
	VBR-M58H	6.0mm	2.8mm	210° Up/down,120° Left/right	120°±10%	600mm
	VBR-M52H-10	5.0mm	2.2mm	210° Up/down,120° Left/right	120°±10%	1000mm
	VBR-M58H-15	6.0mm	2.8mm	210° Up/down,120° Left/right	120°±10%	1500mm



Model	O.D.	I.D.	Bending Angle(up/down) Rotation (left/right)	Field of View	Working Length
VT-Q28	2.8mm	/	210° Up / 130° down,120° Left / right	110°±10%	650mm
VT-Q28S	2.8mm	1.2mm	210° Up / 130° down,120° Left / right	110°±10%	650mm
VT-Q30	3.0mm	1.2mm	180° Up / 130° down,120° Left / right	110°±10%	650mm
VT-Q40	4.0mm	2.0mm	180° Up / 130° down,120° Left / right	110°±10%	1000mm
VT-Q52	5.2mm	2.6mm	180° Up / 130° down,120° Left / right	110°±10%	1000mm
VT-Q58	5.8mm	3.0mm	180° Up / 130° down,120° Left / right	110°±10%	1500mm



Display

- 15.6 inch touch screen
- All in one system



120° Left/Right Rotation

- Relieve fatigue of wrist rotation



Distal tip part

- Standard 160K pixel

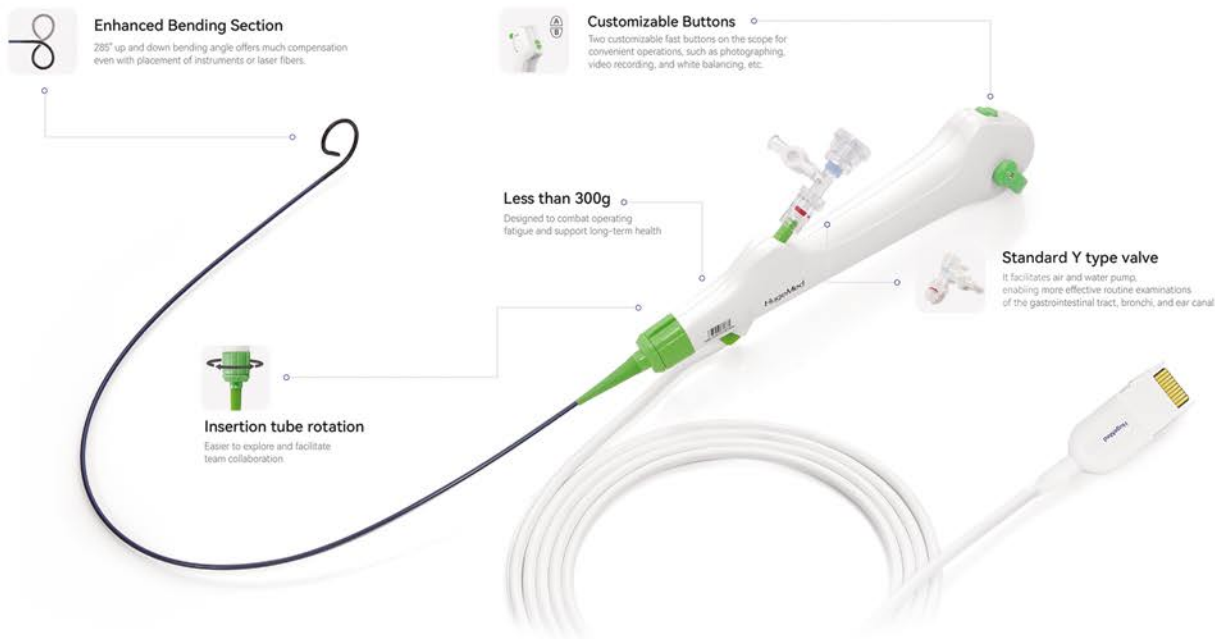


Function

- Multi-function Buttons: Photo & video recording
- Suction Button
- Working channel

Global Ultra-slim Semi-disposable Veterinary Endoscope

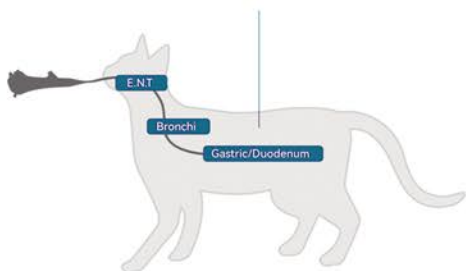
Diagnose & treat GI, ENT, respiratory, and urinary conditions. Expertly designed for exotic pets and the intricate, narrow passages of felines and canines.



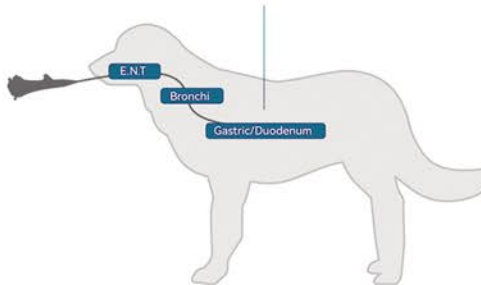
Scope of Application

Feline & Canine

VT-Q28S/VBR-M21/VBR-M58H-15

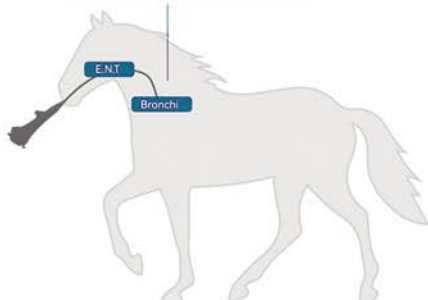


VT-Q40/VBR-M40H/VBR-M52H

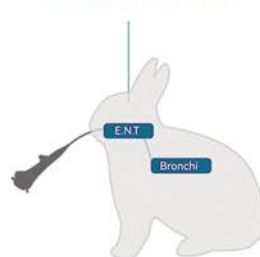


Equine & Exotic

VT-Q58/VBR-M58H-15



VBR-M21/VBR-M25



Veterinary Semi-disposable Gastroscope

HD clarity, convenience, and infection prevention combined.



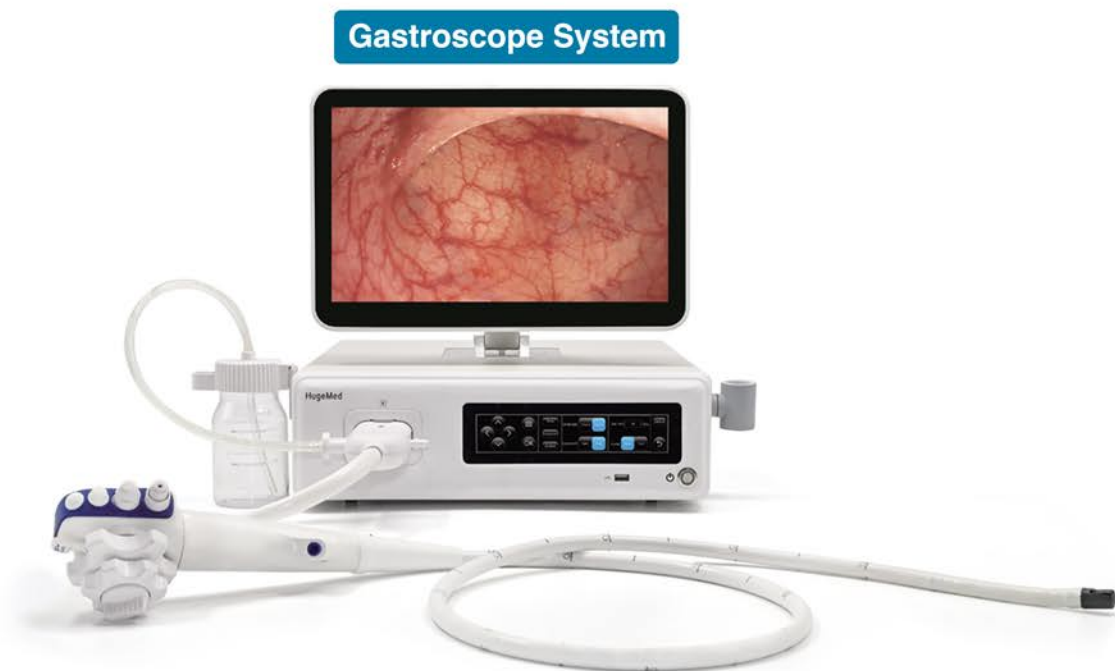
Low Installation
Cost-effective



Ergonomic Design
Ease-of-use



Chip on tip
CMOS+LED



Specification

O.D.	I.D.	Bending Angle(up/down) Rotation (left/right)	Working Length
6.5mm	2.8mm	210° / 120° Up/down, 120° Left/right	1200mm
7.8mm	3.2mm	210° / 120° Up/down, 120° Left/right	1500mm
10.0mm	3.2mm	210° / 120° Up/down, 120° Left/right	1500mm
10.0mm	3.8mm	210° / 120° Up/down, 120° Left/right	3200mm

MS-8 15.6 inches Touch Screen Image Processor

The all-around upgrade digital video processor for HugeMed adopts a new operating system, which functions as a central system to facilitate easier reading and operating in various endoscopy applications. Especially important for occasions where mobility is needed in hospitals.



Portable



15.6 Inch



1920*1080 Full HD



Touch Screen



170° View Angle

DICOM & WiFi

Utilizing DICOM protocol, information can seamlessly transfer to the hospital PACS system, effectively enhancing inter-departmental collaboration efficiency.

Patient information management

Operator can edit medical records then generate a graphic report.

Image adjustment function

Fine-tune LED brightness, sharpness, color tone, and contrast for a superior visual experience.

Versatile output options

Connect to third-party LCD monitors via HDMI, DVI, or SDI for flexible image display.

Extensive Compatibility

Supports connection with both HugeMed semi-disposable and reusable flexible endoscopes.

1920*1080 Full HD

It delivers a crystal-clear picture with crisp detail and vibrant color. With over two million pixels at work, your content comes to life with remarkable sharpness and depth.



HANDHELD PORTABLE X-RAY

Dexcowin IRAY A6 ADX 6000 FB / D3 DX 3000

Handheld portable X-ray systems enable real-time imaging, allowing clinicians to quickly diagnose fractures, tumors, joint conditions, and other skeletal abnormalities. They are particularly valuable in emergency situations or when handling immobile patients, both in clinical settings and in remote or rural environments where conventional X-ray units may not be accessible.

These systems are designed to operate with lower radiation doses compared to traditional machines, enhancing safety for both patients and operators.

Key Features

- ✔ Compact, portable design for ease of handling and mobility
- ✔ High-resolution imaging suitable for full-body diagnostics, including skull, thorax, and extremities
- ✔ Extended battery performance, supporting 200-400 image captures on a single charge
- ✔ Advanced radiation safety features, including a lead-infused backscatter shield and lead-wrapped generator and cone to minimize exposure



Orthopedic



Medical



Veterinary



A6 ADX 6000 FB

Tube Voltage	40KV~90KV	Exposure	0.05 - 1.5sec
Tube current	1~6 mA	Detector	Flat panel sensor/detector
Focal spot	0.8mm	Power Supply	22.2Vdc
Target angle	16°		
Total Filtration	More than 3.1mmAl(At 90kV) (Inherent Filtration: 1mmAl, Fixed added filter: 1.9mmAl, Collimator: 0.2mmAl) IRAYA6 only : More than 2.5mmAl(At 90kV) (Inherent Filtration: 1mmAl, Fixed added filter: 1.5mmAl)		

D3 DX 3000

Tube Voltage	70 KV.
Tube Current	2mA.
Focal Spot	0.4mm or more
Target Angle	12 or more
Exposure	0.01 sec - 2.0 sec (varying setting provision)
Detector	Film/Digital Sensor/PSP
Power Supply	14.8V (Rechargeable Battery)
Heat Capacity	4000-6000 Minimum
External Dimensions	350 (W) x 300 (D) x 200 (H)mm. x-ray sources
Weight	2.75 kg including batteries (Handy portable).



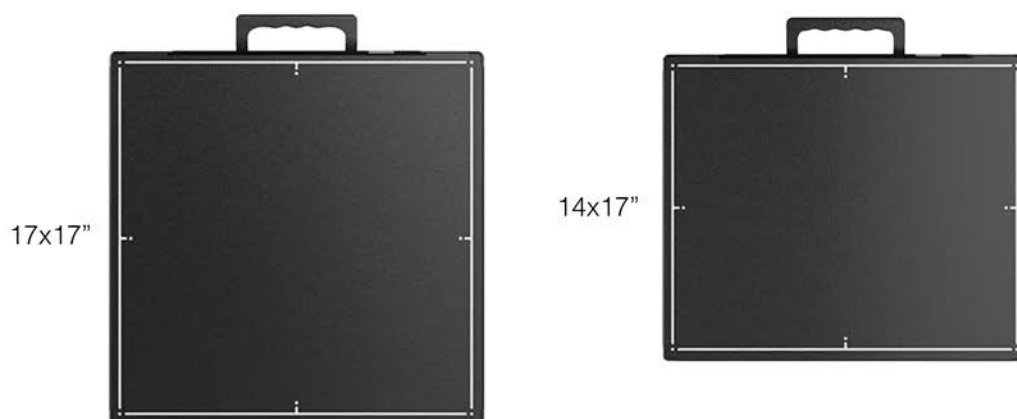
CareRay Flat Panel Detector

AMT 1500Cwe

CareRay Flat Panel Detector is a wireless flat panel detector designed for digital radiography, suitable for both medical and veterinary applications. It offers high-quality imaging capabilities, ease of use, long battery life, and robust performance.

Key Features

- ✔ Wireless and portable
- ✔ Universal compatibility - compatible with all portable X-ray devices
- ✔ Superior image quality with CareRay's patented imaging technology
- ✔ Long battery life offering up to 1400 exposures per full charge



Technical Specifications

Sensor	
Scintillator	Direct-Deposit CsI
Active Area	430 x 356 mm
Image Matrix Size	3072 x 2560
Pixel Pitch	140 μ m
Image Quality	
Limiting Resolution	3.57 lp/mm
MTF (Typical)	73% (1 lp/mm), 44% (2 lp/mm), 26% (3 lp/mm), 19% (3.5 lp/mm)
DQE (Typical)	71% (0 lp/mm), 61% (0.5 lp/mm), 54% (1 lp/mm), 46% (1.5 lp/mm) 40% (2 lp/mm), 31% (2.5 lp/mm), 23% (3 lp/mm), 16% (3.5 lp/mm)
Maximum Linear Dose	70 μ Cy
Dynamic Range	> 80 dB
Lag	< 0.02% (60 seconds after exposure)
A/D Conversion	16 bits
Communication Interface	
Communication Interface	Gigabit Ethernet, WiFi (2.4/5 GHz)
Image Acquisition Time	2 - 4 s
Exposure Control	F ² AED, Manual Sync, Software Sync
Environmental	
Operating Environment	Natural Cooling
Temperature Range	Operating: 5 - 35°C, Storage: -20 - 55°C
Humidity Range	Operating: 30 - 75% RH, Storage: 10 - 90% RH (Non-condensing)
Mechanical	
Dimensions	460 x 460 x 15mm and 460 x 384 x 15 mm
Weight	~ 3.7 kg
Housing Material	High-strength aluminum alloy w/ carbon fiber imaging surface
Power	
Maximum Power	Max. 36VA
Power Supply	100 - 240V AC
Frequency	50/60 Hz

DENTISTRY

We offer multiple dental solutions—from precise diagnostics to advanced treatment utilizing cutting-edge technologies such as handheld portable dental X-rays, diode lasers and dental microscopes, among others.



Dental Diode Laser

980 nm / 10 w

Advantages

- Minimally invasive
- Minimal pain and bleeding
- No anaesthesia required
- No swelling and no suturing required
- Faster healing
- Minimal postoperative discomfort
- Efficient teeth whitening with minimal sensitivity

Accessories



Application of Dental Laser

- Bloodless soft tissue surgery such as crown lengthening, leukoplakia and frenectomy.
- Periodontal treatment.
- LLLT / Photobiomodulation.
- Cosmetic procedures such as teeth whitening & gum depigmentation.
- Endodontic treatment.
- Pain management such as TMJ & Trismus.

Dexcowin IRAY D3 DX 3000 Dental

The DX3000 is equipped with cutting-edge battery technology, enabling it to capture up to 400 X-ray images on a single charge. This advanced feature allows for extended use, making it an ideal choice for dental professionals who require reliable and efficient equipment.



Dental



Forensic



Veterinary

Key Features

- 1/7 reduced radiation compared to other X-ray machines
- Lead-wrapped generator and cone ensure user and patient safety
- Cordless, lightweight and compact
- Simultaneous usage of a digital sensor and film is possible
- Rechargeable battery can support up to 250 shots per full charge

Specifications

Tube Voltage	60KV / 65KV (Fixed)
Tube current	1.7mA / 2.0mA (Fixed)
Focal spot	0.8mm
Target angle	20
Exposure	0.05 - 1.35sec (0.05 increments)
Detector	Film / Digital sensor / PSP
Power Supply	14.8V (Rechargeable battery)



PSP System

The Apixia PSP Scanner delivers powerful imaging performance in a compact design, making it ideal for dental practices of all sizes.

Phosphor plates combine the familiarity of traditional X-ray film with the environmental advantages of digital radiography. Their thin, flexible design, available in multiple sizes, ensures enhanced patient comfort. After a quick scan of the exposed plates, high-resolution images are instantly available for storage, email, or printing. Additionally, the plates are reusable, helping save both time and costs.

Specifications

Dimension	258 x 138 x 183 mm
Weight	3.6 Kg
Voltage	AC 100-240 V 60/50 Hz
Scan time	Less than 10 sec
Resolution	17/p/mm
Connection type	USB 2.0
Plate sizes	0, 1, 2 and 3
Plate erasing	Automatic



RVG Sensor

The Alica RadioVisioGraphy (RVG) Digital Sensor is an intraoral, waterproof, and durable sensor that utilizes Complementary-Metal-Oxide-Semiconductor (CMOS) technology, enabling it to produce high-sensitivity, high-resolution images.

Key Features

- Excellent image quality that will not degrade over time
- Long lifespan
- IP68, 100% Waterproof, with the highest ingress protection
- Ergonomic design with leading edge sensor technology
- Easier and faster image processing

Dental Video Operating Microscope System

VOMS 100 / VOMS 101D

The RealMicro 3D digital video microscope system, with its unique patented technologies, offers a comfortable, safe and precise surgical environment for both the surgeon and the patient. It uses Somotech's patented lens and image processing technology.



Key Features

- Fully motorized x,y, and z-axis movement, and ergonomic design for easy and precise operation.
- Delivers pristine 3D full HD images from the monitor, enabling training and effective learning for trainees.
- Wired and wireless footswitch for convenient zoom-in and zoom-out function.
- Compact design even for a limited space.
- Simple and easy 3D calibration.
- Minimal chromatic aberration for distortion-free images.
- Intuitive GUI and built-in recording system.
- Crystal clear images with unparalleled depth of focus and a wider field of view.

Notes

 *ceruleanmedivital*

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Scan & Pay

UPI ID: theindianorient2025@sbi



Cerulean
MediVital
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