vTitan

PRODUCT CATALOG

A new era of smarter,
safer and affordable healthcare

www.vtitan.com

About Us

vTitan specializes in the design, development, and manufacturing of cutting-edge medical devices that empower healthcare professionals and enhance the quality of life for patients. We are committed to advancing patient care and improving healthcare outcomes through the infusion of latest technology into medical devices. At vTitan, we keep a relentless focus on innovation in product design, user-centric interfaces, patient safety and product reliability.

We offer medical products that are not just functional but also intuitive to understand and operate with unmatched quality. Designed and developed in India, our products are making a distinct mark in domestic and international markets with their unique set of features and built-in capability of remote monitoring, offering web and mobile solutions at an affordable price.

Our patented technologies in infusion therapy and interventional radiology have set new standards of care in respective product domains, leading to better patient outcomes and productivity gains for hospitals.

Our Products

Infusion

Accu*flow* Drip Monitor

Accu*flow* VE Syringe Pump

Accu*flow* Thala Pump

Accu*flow* Compact pump

Urology

Accu*flow* Uro

Therapy

vREM (CPAP)

De Thromb (DVT Pump)

Radiology

HigHNoon

CTflow*X*

Monitoring

vCardio (Cardiac Monitor)

IntelliICU

Assist Device

CPR Feedback Device

Vein Detect

Accu*flow* Drip Monitor

Accu*flow* Drip Monitor tracks gravity infusion and alerts caregivers during critical conditions. With Wi-Fi connectivity, it allows remote viewing of infusion parameters and alarms from the nursing desk.

- Reliable drop sensing
- Monitors IV closely
- Critical alarm display
- Reduces nurse workload
- Improves patient treatment outcomes
- Remote monitoring solution with real-time infusion status, alarms. Multi-platform software for different use environments

Technical Specifications

Dimensions (LxWxH)	180 x 160 x 65 mm
Weight	35 g
Display	1.7" colour display
Compatible IV Sets	10, 15, 20, 60 gtt/ml
Accuracy	Drop detection accuracy- 99.9%
Chamber Diameter	13.5 to 19 mm (Single chamber drip sets) 25 mm (Double chamber drip sets with outer ring)
Display Parameters	Duration, Flow rate, Drip rate, Drop count, Volume infused
Communication	Wi-Fi
Battery	Li-ion battery, upto 24 hrs

Accu*flow* VE Syringe Pump

Accu*flow* VE syringe pump delivers accurate and reliable infusion therapy to patients in a controlled manner.

- Patented closed-loop motion control technology
- Improved infusion accuracy
- 3.5 inch colour display
- User intuitive controls
- Li-on battery, up to 13 hours battery backup
- Remote monitoring solution with dashboard, real time status, configurable drug library, infusion audit reports

Technical Specifications

Dimensions (LxWxH)	275 x 120 x 108 mm
Weight	2.3 kg
Syringe Size	5, 10, 20, 50/60ml
Flow Rate Range	0.01 - 2000 mL/hr
VTBI Range	0.1 – 999 mL

Infusion Modes	Rate Mode, Volume/Duration Mode, Dosage Rate Mode, Multi-Step Mode, Micro Infusion Mode
Accuracy	Mechanical: ± 1%, Flow Rate : ± 2%
Bolus	Manual and Auto Bolus
KVO Rate	0.01 – 5 mL/hr

Accu*flow* Thala Pump

Accu*flow* Thalassemia Pump is designed for reliable infusion of iron-chelating agents for thalassemia patients focusing mainly on patient safety, simplicity, and comfort.

- Compact and portable
- Easy to use
- Quick 3-step operation
- Simple priming procedure
- Lock functionality
- Visual and audio alarms

Technical Specifications

Dimensions (LxWxH)	172 x 36 x 51 mm
Weight	185 g
Display	0.96" OLED
Syringe Size	5, 10, 20 ml
Flow Rate Range	0.1 - 70 mL/hr
Accuracy	±2%
Priming function	Available
Battery type	9V Li-ion battery (Rechargeable)
Battery Life	40 hrs

Accu*flow* Uro

Accu*flow* Uro is a non-invasive uroflowmetry device that accurately measures urine volume and helps in diagnosing urinary problems like incontinence, hesitancy, and other voiding dysfunctions.

- Lightweight
- High precision load cell sensor with 3 kg capacity
- Adjustable urine density, time and flow scale
- Pre-configurable diagnostic codes
- Wireless and real time data acquisition
- Detailed reports with patient data, results and nomograms

Technical Specifications

Dimensions (LxBxH)	180 x 160 x 65 mm
Weight	1 kg
Flow Rate	0.1-50 mL/s
Volume	Up to 1000 mL
Accuracy	+/-2% of voided volume
Modes	Manual, Auto
Parameters Measured	Max flow rate, Avg flow rate, Voided volume, Voiding time, Flow time, Time to max, Hesitancy
Communication	Bluetooth
Battery	4 AA batteries

HigHNoon

HigHNoon is a shadow based, CT guided instrument positioning assistant, which helps clinicians in performing high-risk and high-precision percutaneous medical interventions.

- Needle point accuracy, Shadow based real-time guidance
- Easy learning curve
- Minimal iterations, reduced radiation exposure
- No need for calibration every time
- Early diagnosis & treatment
- Better patient comfort & improved patient safety

Technical Specifications

Compatible Modality	CT, CT Fluro
Imaging Interface	DICOM 3.0
Positioning Accuracy	2 mm
Linear Resolution	0.5 mm
Device Controls	Wireless keypad and Foot switch
Mounting Options	Permanent (Floor/Ceiling/Wall or combination option available as per site)
Positioning Method	3 level confirmation for accurate positioning (shadow based + laser alignment + live feed view)
Communication	Wi-Fi

De Thromb

De Thromb is a cutting-edge solution designed to effectively address deep vein thrombosis (DVT). This Intermittent Pneumatic Compression pump non-invasively increases blood circulation in the limbs.

- Compact and easy to use
- Supports both uniform and sequential compression modes
- Detachable hooks to hang on bedside
- Programmable pressure and interval time
- Provision to track and reset total operating hours
- Audio and visual alarms

Technical Specifications

Dimensions (LxWxD)	177x252x 202 mm
Weight	2.5 kg
Display	1.7-inch LCD
Compression Areas	Thigh, calf, foot
Compression Modes	Uniform, sequential

Compression Pressure	Calf/thigh: 20, 30, 40, 50, 60 mmHg Foot: 120, 130, 140 mmHg
Interval Time	24, 48, 60 seconds (selectable)
Power Supply	100-240 V AC, 50-60 Hz
Battery	Rechargeable Li-ion battery, Operating Time: 8 hrs

vCardio

vCardio is a state-of-the-art ambulatory cardiac monitoring device designed for precise ECG monitoring using a reusable electronic module that snaps over a disposable electrode patch.

- Sleek and lightweight
- Continuous cardiac monitoring upto 7 days
- Patient-triggered symptom tracking
- Wearable in shower
- Lead-off detection to identify lead disconnections
- Multi-platform software for various use environments

Technical Specifications

Dimensions (HxWxD)	58 x 50 x 17 mm
Weight	35 g
Type	Single Lead (Lead II)
Sampling Rate	256 samples/sec
CMRR	> 80 dB

Heart Rate	Range: 25-240 BPM Accuracy: +/- 5 BPM or 10%
Respiratory Rate	Range: 3-40 breaths/min Accuracy: +/- 3 breaths/min
Communication	Bluetooth
Battery	CR2450 coin cell battery

vREM

vREM is a comprehensive CPAP therapy device for restoring restful sleep and combating the effects of obstructive sleep apnea (OSA).

- CPAP and APAP modes to cater to your therapy needs
- Comfort features such as ramp, flex and automatic start / stop
- OSCAR compatible data insights
- Breath-by-breath analysis
- Foam-free device
- Application for monitoring of therapy data and report generation

Technical Specifications

Dimensions (LxWxH)	240 x 160 x 85 mm
Weight	< 1.5 kg (approx.)
Pressure	4-20 cmH2O
Ramp Time	0-45 min (or Auto)
Flex	Off, Level 1-3
Humidifier	Level 0-6
Filter	Pollen and ultrafine (Optional)
Compatible Tubing	15 mm & 22 mm
Communication	Bluetooth
Power Supply	100-240 V AC, 50-60 Hz

Accu*flow* Compact Pump

Accuflow Compact Pump delivers fluids to a patient's body in a controlled manner for immunoglobulin therapy and palliative care.

- Rate and volume duration mode
- Improved infusion accuracy
- User Intuitive controls
- Subcutaneous and Intravenous delivery
- Bolus infusion for quick delivery
- Compact and portable

Technical Specifications

Dimensions (LxWxH)	172 X 36 X 51 mm
Weight	200 g
Display	0.96" OLED
Syringe Size	5, 10, 20 and 50 ml
Accuracy	±2%

Flow Rate Range	0.1 to 600 ml/hr (Intravenous), 0.1 to 100 ml/hr (Subcutaneous)
Bolus	50 to 600 ml/hr
Priming	Manual Priming
Battery	Li-Ion, Operating time: 40 hrs

CTflow*X*

CTflow*X* is a dual-head injector designed to deliver iodine-based contrast and saline with precision for high-quality CT imaging.

- Dual-Head Design
- Multi-Phase Injection System
- Dual-Flow Capability
  (Inject Contrast & Saline simultaneously)
- Real-time Pressure Monitoring
- Dynamic Flow Rate Optimization
- Seamless Remote Console Communication

Technical Specifications

Dimensions (LxWxH)	220 x 420 x 140 mm
Weight	30 kgs
Display	7" CFT Display
Syringe Size	200 ml
Accuracy	±5%

Flow Rate Range	0.1 to 10 mL/s
Injection Capabilities	Up to 6 phases per protocol
Protocol	Up to 200 protocol
Pressure Limit	50-325 psi
Communication	Wi-Fi

CPR Feedback Device

CPR Feedback Device is an assist device that aid in the delivery of effective chest compression.

- Compact and portable
- Compression counter
- Longer battery life
- Distinct audio feedback

Vein Detect

Vein Detect is a non-invasive imaging device that helps to find the optimal venipuncture site. It utilizes advanced Light Emitting Diodes (LED) to illuminate veins beneath the skin, creating a clear contrast that allows healthcare providers to locate veins quickly and accurately.

- LED technology
- Suitable for all age groups
- Suitable for all skin types
- Compact and portable

IntelliICU

IntelliICU is a smart ICU monitoring and care management solution designed to seamlessly connect with medical devices and display patient data in a unified, real-time, patient-centric dashboard.

- Remote view and management
- Smart alarm management
- Unified patient dashboard
- Paperless ICU
- Real time video feed
- Nurse workload optimization
- Enhanced clinical collaboration

Manage Progress Notes

Provides patient-wise progress notes editor, using which nurses can judiciously record the instructions from intensivists and doctors and provide effective medical interventions.

Powered by agentic AI

Intelligent agents that assist clinicians by automating routine tasks, prioritizing alerts, and highlighting key trends; to streamline workflow and support faster, safer clinical decisions.

Real Time Video Feed

Option to view the real time video feed of the patient to closely monitor the patient's physical state and provide necessary medical intervention.

Choosing the appropriate EWS (Early Warning Score)

IntelliICU provides customization option to choose the appropriate EWS. Some of the early warning scores are Braden scale, Rass scale, Apache II score, SOFA score, NEWS2 score.

CDSCO
Approved

IEC
IEC 60601-1/1-2

ISO
13485:2016
Certified

GeM
Government
eMarketplace

CE
Underway

US FDA
Registered

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Product Brochures

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