

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



Urology

Accuflow Uro



Radiology

HighNoon



Assist Device

Vein Detect



Infusion

Accuflow Drip Monitor

Accuflow VE Syringe Pump

Accuflow Thala Pump

Accuflow Compact pump



Therapy

vREM (CPAP)

De Thromb (DVT)



Monitoring

vCardio (Cardiac Monitor)



Hospital Software Solution

Jeevantra

HIMS

Accuflow Drip Monitor

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

Accuflow VE Syringe Pump

Accuflow 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-ion 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	Infusion Modes	Rate Mode, Volume/Duration Mode, Dosage Rate Mode, Multi-Step Mode
Weight	2.3 kg	Accuracy	Mechanical: $\pm 1\%$, Flow Rate : $\pm 2\%$
Syringe Size	5, 10, 20, 50/60mL	Bolus	Manual and Auto Bolus
Flow Rate Range	0.1 - 2000 mL/hr	KVO Rate	0.1 – 5 mL/hr
VTBI Range	0.1 – 999 mL		

Accuflow Thala Pump

Accuflow 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	Accuracy	±2%
Weight	185 g	Priming function	Available
Display	0.96" OLED	Battery type	9V Li-ion battery (Rechargeable)
Syringe Size	5, 10, 20 mL	Battery Life	40 hours
Flow Rate Range	0.1 - 70 mL/hr		

Accuflow Uro

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

HighNoon

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

-  Real-time guidance
-  High Precision
-  Minimal Manipulations
-  Faster Procedural Time
-  Lower Radiation Exposure
-  Compatible with CT and PET-CT systems



Technical Specifications

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

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
-  Foldable handles
-  Programmable pressure and interval time
-  Provision to track and reset total operating hours
-  Audio and visual alarms



Technical Specifications

Dimensions (LxWxD)	177 x 252 x 202 mm	Compression Pressure	Calf/thigh: 20, 30, 40, 50, 60 mmHg Foot: 120, 130, 140 mmHg
Weight	2.5 kg	Interval Time	24, 48, 60 seconds (selectable)
Display	1.7-inch LCD	Power Supply	100-240 V AC, 50-60 Hz
Compression Areas	Thigh, calf, foot	Battery	Rechargeable Li-ion battery, Operating Time: 8 hours
Compression Modes	Uniform, sequential		

vCardio

vCardio is a reusable, wireless, single-lead ECG monitoring solution designed to bridge the gap between rapid cardiac screening and long-term rhythm surveillance.

-  Sleek and lightweight
-  Dual-mode platform: Instant ECG + 7-Day Monitoring
-  Patient-triggered symptom tracking
-  Advancing ECG Interpretation with AI Precision
-  17+ arrhythmias, detected and classified automatically
-  Real-time telemetry & cloud integration



Technical Specifications

Dimensions (HxWxD)	58 x 50 x 17 mm	Heart Rate	Range: 25-240 BPM Accuracy: +/- 5 BPM or 10%
Weight	35 g	Respiratory Rate	Range: 3-40 breaths/min Accuracy: +/- 3 breaths/min
Type	Single Lead (Lead II)	Communication	Bluetooth
Sampling Rate	256 samples/s	Battery	CR2450 coin cell battery
CMRR	> 80 dB		

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
-  Integrated humidifier
-  Application for monitoring of therapy data and report generation



Technical Specifications

Dimensions (LxWxH)	240 x 160 x 85 mm	Humidifier	Level 0-6
Weight	< 1.5 kg (approx.)	Filter	Pollen and ultrafine (Optional)
Pressure	4-20 cmH2O	Compatible Tubing	15 mm & 22 mm
Ramp Time	5-45 min (or Auto)	Communication	Bluetooth
Flex	Off, Level 1-3	Power Supply	100-240 V AC, 50-60 Hz

Accuflow Compact Pump

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

-  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 hours

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.

-  Dual LED illumination
-  Suitable for all age groups
-  Suitable for all skin types
-  Compact and lightweight
-  Adjustable brightness
-  Anti-slip design



Technical Specifications

Dimensions (LxWxH)	163 X 65 X 39 mm	Number of LEDs	20 Orange, 8 Red
Weight	100 g (including battery)	Battery type	Rechargeable Lithium Polymer
Functional Opening Area	24 mm	Battery life	Upto 3 hours
Viewing diameter	33 mm	Accessories	Straps, USB type C cable and adapter

Jeevantra

Jeevantra is an AI-powered ICU care management solution that unifies patient data in a single dashboard and integrates tools for handovers, medications, fluids, vitals, and chatbot support to streamline workflows and enable faster clinical decisions.



Remote view and management



Smart alarm management



Unified patient dashboard



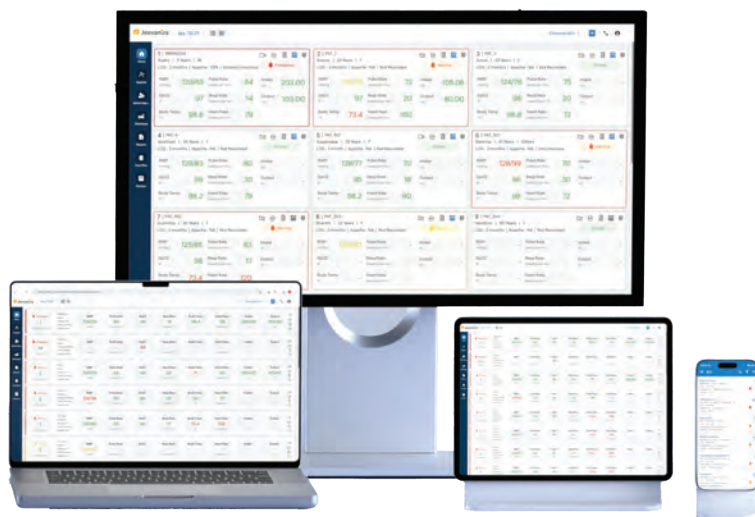
Paperless ICU



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

AI assistant helps clinicians draft discharge summaries, progress notes, answer clinical queries, and powers Clinical Round Table AI Agents to summarize patient insights and flag risks—all under clinician control.

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.

Clinical Assessment Scores

Provides customization options to select appropriate clinical assessment and scoring tools, including the Braden Scale, RASS, APACHE II, SOFA, and NEWS2.

HIMS

Hospital Information Management System (HIMS) is digitizing healthcare operations across clinical, administrative and financial workflows.

 18 Core Clinical and Administrative Modules

 Comprehensive Data Integration

 Secure role based access to users

 Real-Time Dashboard and Performance Insights

 ABHA Enabled

 Scalable Multi-Facility Operations



Scalable by design

Configurable for single-specialty hospitals, mid-sized hospitals, and large healthcare institutions, the system supports facilities ranging from 20 to 500+ beds.

Secure & Compliant

HIMS complies with HIPAA, NABH, and ABDM standards, ensuring robust data security and regulatory adherence.

Unified Digital Platform

Manages patient information, clinical care, billing, inventory, assets, laboratory, radiology, and reporting through a single real-time system.

Integrations with HIMS

HIMS integrates with Zoho Books / Tally, SMS, Lab devices, Whatsapp, DICOM (Digital Imaging and Communications in Medicine).

CDSCO
Approved

IEC
IEC 60601-1/1-2

ISO
13485:2016
Certified

Available on
GeM

vTitan Corporation Private Limited

New Woodlands Building, Estancia IT Park,
Plot No. 140,151 Vallancheri Village,
Chengalpattu District,Tamil Nadu - 603202, India.

Toll Free Number: 18005721664

Email: sales@vtitan.com

Website



Product Brochures



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