

prunus

Reliable Healthcare Solution Provider of OR, ICU and Emergency



PRUNUS Global R&D Centers

Singapore Sweden Shenzhen Chengdu Wuxi Weihai



## Padus 6 Ventilator

Intelligent experience  
that exceeds your imagination

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## We make ventilators for now and the future



I want to design a modern ventilator that can make good interaction with users and patients. With the excellent ventilation performance, Padus 6 can provide ventilation and support to all patient types from neonate to adult. It consists of the most advanced components to ensure safe and reliable running. The compact design enables it to fit in patient bedrooms and busy ICU. I'm glad to say that we made it. We made the ventilator for now and the future!

**Mathias Eriksson**  
 CEO | Prunus Med



Developing the industrial design for Padus 6 was a great experience and it is also an excellent collaboration between engineering and industrial design. "Compact" and "flexible" are the key words to interpret the industrial design of Padus 6. Even in small and enclosed environments like ICU, the outstanding functions of Padus 6 would be able to help users complete adjustment precisely according to patient's needs, thereby improving efficiency and accuracy.

**Olof Schkorr**  
 Industrial Designer



### Padus 6

## New Generation Bedside Therapeutic Ventilator



360° alarm light



12" TFT display



HD touch screen



# Patient orientation for breathing with ease

Padus 6 is flexible enough to be applied on different types of patients and different clinical conditions. Numerous advanced technologies were innovated to empower Padus 6 with comprehensive and stable ventilation ability just for free breath of patients.



# Multiple decision aids for accurate assessment of ventilation status

Responding to clinical needs, Padus 6 is possessed with multiple intelligent tools for the aids of medical decisions including lung protection strategies and best weaning timing. Padus 6 is designed for clinicians to make medical decisions confidently and efficiently even in critical conditions.

<p><b>Setting optimal PEEP</b></p> <p>Quasi-static P-V loop counting with flow as low as 2L/min can provide more precise data. Automatic tracking of the upper and lower inflection points on the P-V curve through intelligent algorithm determines the best PEEP.</p>	<p><b>Comprehensive Weaning Tools</b></p> <p>Measuring weaning indexes including P<sub>0.1</sub>, NIF, RSB, PTP, WOB and so on to help clinicians quickly estimate spontaneous breathing ability of the patient and find the best weaning timing.</p>	<p><b>Stress Index Monitoring</b></p> <p>In non-invasive ventilation modes, real-time monitoring of P-T waveform and quantifying into stress index can warn the risk of lung injury and guide the setting of PEEP.</p>
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## Intelligent Ventilation Management

Integrated sequential ventilation therapeutic scheme covering HFNC, non-invasive and invasive ventilation easily cope with ventilation demands for sub-acute and acute patients.



## Applicable to Neonates with Proximal Sensor & Minimal 2mL TV

The industry's top tidal volume control technology enables accurate control of the tidal volume to be as low as 2mL with  $\pm 1\text{ mL} \pm 5\%$  (at value) accuracy to make ventilation safer and can be applicable to neonates.



## Patented Flow Support<sup>®</sup> Enhancing Patient-Ventilator Synchronization

Under volume controlled modes with flow support switched on, when the patient encounters "flow hunger" during inspiration stage, Padus 6 will promptly respond with extra flow expansion for the improvement of patient-ventilator synchronization.



## High Flow Nasal Cannula

HFNC provides patients with high flow oxygen (flow rate up to 60L/min), air and isobaric saturated stream through nasal cannula, which is much more comfortable than traditional NPPV and has become the preferred choice of non-invasive ventilation therapy by many clinicians.

# Intuitive designs for optimal user experience

The compact design of Padus 6 allows a close positioning to the patient bedside, while the fully-adjustable HD screen enables clear monitoring by clinicians from any angle. The humanized UI designs provide not only comprehensive views but also intuitive user experience.



## Humanized UI Design

Human brain processes graphic information 60,000 times faster than text information. Padus 6 shows ventilation status in premonitory waveform with big numeric and dynamic lung view.



## Dynamic Lung View

Dynamic lung view utilizes numerical and graphical displays to show real-time status of resistance and compliance.



## Visual Guide

The new easy-to-read graphical display enables users to learn quickly on how to use and maintain the machine, therefore reducing operational errors and improving efficiency.

# Flexible configuration schemes for freedom of choice

It is important for a critical-care ventilator to be capable of connecting to other medical devices and the hospital information system to form a concrete monitoring environment for the patients. Padus 6 is strongly expandable through connections to additional modules and technologies.

