

THORA-3Di®

A Dynamic Change in Lung Function Assessment

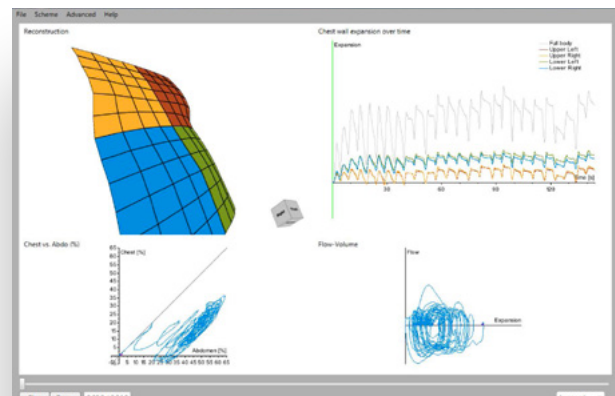


The Thora-3Di® provides the surgeon, doctor or consultant with the first true bedside image of the patient's pulmonary function.

Generated by measuring chest wall movement in a non-contact, non-radiological methodology, Thora-3Di® provides an in-depth and previously unobtainable level of patient information. The data is displayed in traditional formats, as a 3D interactive diagram and can be viewed as regional volume movements or regional percentage contributions of the pulmonary space.

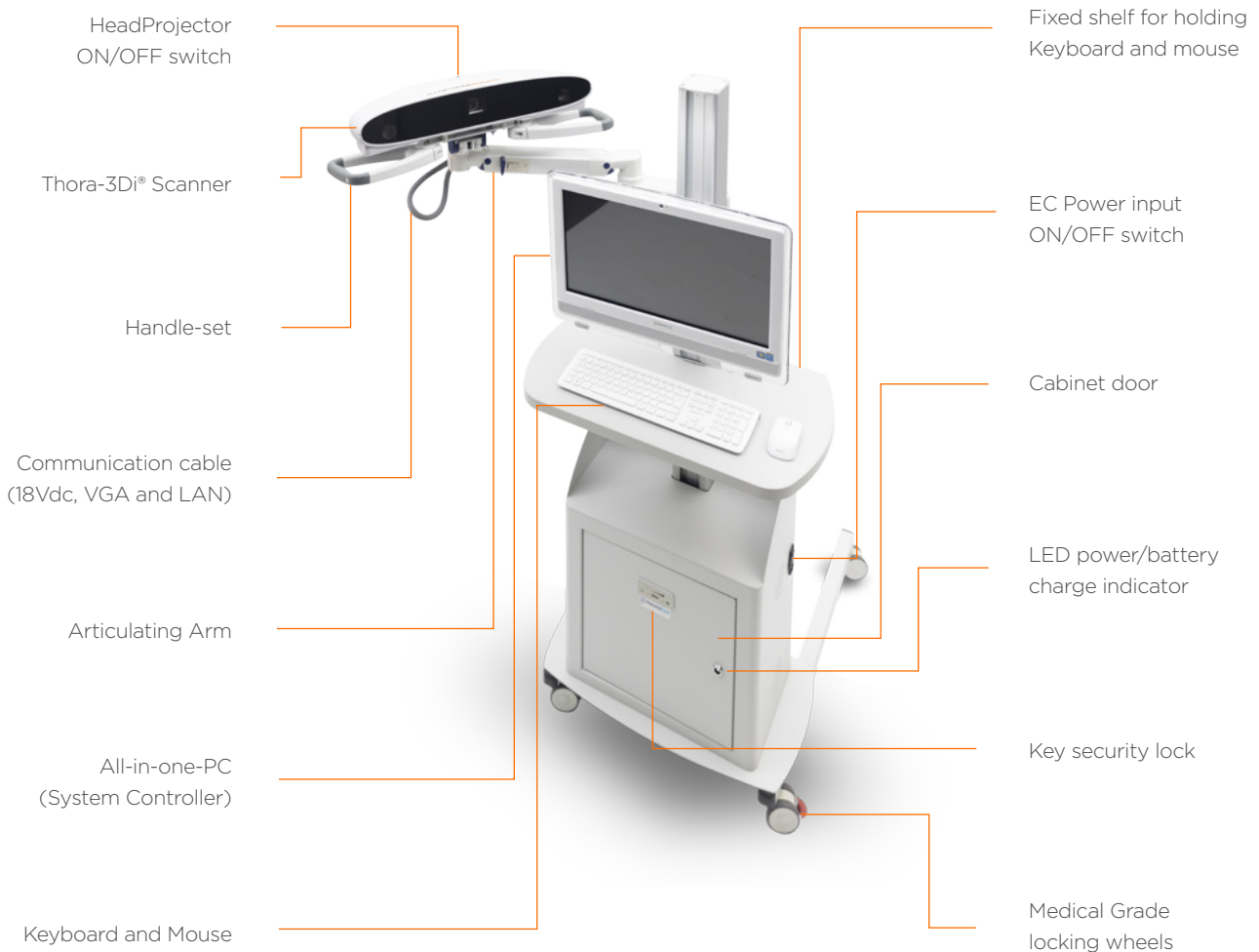
The Thora-3Di®'s mobile design allows it to be quickly set-up anywhere in the hospital and utilised to quickly gather pulmonary benchmark and performance data for use in patient assessment. The innovative 3D and regional performance outputs provide critical lung assessment data in a range of settings including Thoracic Surgical Wards and Respiratory Function Labs.

By measuring the chest wall movement during aspiration, the Thora-3Di®'s PneumaView™ 3D software can segment the overall patient lung function into various regions; allowing the clinician to better understand the patients lung function.



THORA-3Di® PRODUCT SPECIFICATIONS

The Thora-3Di® is part of the PneumaCare family of lung function imaging and assessment devices that utilise PneumaCare's proprietary SLP (Structured Light Plethysmography) technology to measure and assess patient pulmonary functions. The Thora-3Di® is comprised of the Thora-3Di® scanning head, portable rolling stand and the PneumaView™ 3D software operating system.



Scanning Head	Weight: 4Kg	Dimensions: W 55cm X L 15cm X H 15cm
Portable Stand	Weight: 20Kg	Dimensions: W 60cm X L 90cm X H 150cm
Power Supply	Mains Voltage	100v AC to 240v AC, 50 to 60Hz
	Power input	18v DC/ 4.5A
	Battery Pack	12 VDC Output 110VAC or 220VAC (6.0A)
Instrument Controller System	Processor Intel Core i5	30Hz, 13.33MHz, 6MB
	Hard Drive Space	500GB
	Memory	4GB
	Operating System	Windows 7 Professional
	PneumaView™	System Operating Platform
	PneumaView™ 3D	Data Analysis Software
System Specification - Environmental	Operating Temperature	+10C to 34C
	Rel. Humidity	30 to 75% RH
	Ambient Pressure	700 to 1060 HPA
System Specification - Compliance	EMC Compliance	EN60601-1-2, Class B
	Equipment Classification	EN60601-1-1 (Protection Class I)
	Category According to MDD 93/42/EEC	Complete System: Class 1IA Medical Product

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