

# THORA-3Di®

A Dynamic Change in Lung Function Assessment

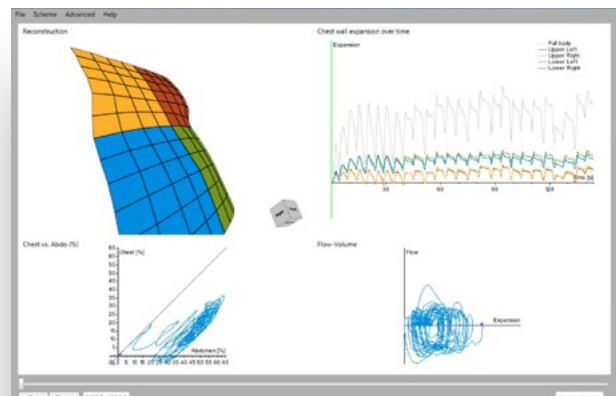


The Thora-3Di® provides the surgeon, doctor or consultant with a real time bedside imaging of a patients respiratory function.

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 gather pulmonary benchmark and performance data for use in patient assessment. The innovative 3D and regional performance outputs provide critical lung function 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 range 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.



<b>Scanning Head</b>	Weight: 4Kg	Dimensions: W 55cm X L 15cm X H 15cm
<b>Portable Stand</b>	Weight: 20Kg	Dimensions: W 60cm X L 90cm X H 150cm
<b>Power Supply</b>	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)
<b>Instrument Controller System</b>	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
<b>System Specification - Environmental</b>	Operating Temperature	+10C to 34C
	Rel. Humidity	30 to 75% RH
	Ambient Pressure	700 to 1060 HPA
<b>System Specification - Compliance</b>	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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