Test lungs
Simulating different patient conditions
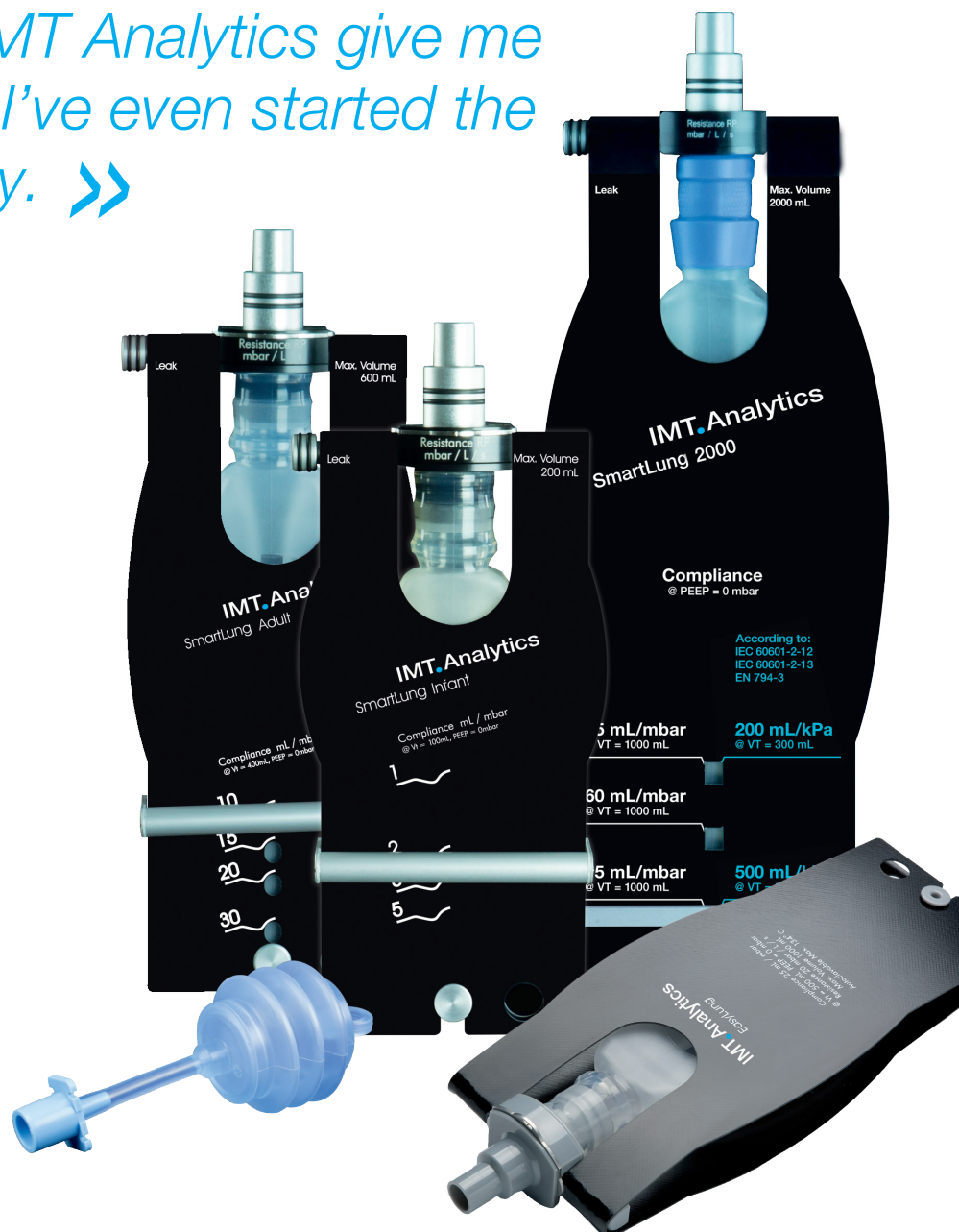
Easy. Safe. Versatile.

Test lungs from IMT Analytics are an easy and cost-effective way to reliably test the function and precision of ventilators and anaesthesia machines. Thanks to their adaptability they are ideal for using as part of training to simulate different types of ventilation. For example, they can be used to simulate inadequate application of volume due to unexpected leakages, or to test the accuracy of a ventilator for premature infants.

The use of IMT Analytics test lungs prepares nursing personnel and ventilation specialists for every type of critical situation even during their training. Any risks associated with the use of ventilators can also be prevented by carrying out the simple functional and accuracy tests before using the equipment on.

« *Test lungs from IMT Analytics give me security – before I've even started the ventilation therapy.* »

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Summary of the technical specifications

	SmartLung Adult 2000	SmartLung Adult	SmartLung Infant	EasyLung	EasyLung Neonatal
Resistance	5, 25, 50, 200 mbar/L/s	5, 20, 50, 200 mbar/L/s	5, 20, 50, 200 mbar/L/s	20 mbar/L/s	–
Compliance	25, 60, 75 mL/mbar	10, 15, 20, 30 mL/mbar	1, 2, 3, 5 mL/mbar	25 mL/mbar @ V_t = 500 ml, PEEP = 0 mbar	0.7 mL/mbar @ V_t = 20 mL
Volume	0–1000 mL (with 2-L bag)	0–600 mL (with 1-L bag)	0–200 mL (with 0.5-L bag)	0–1000 mL (with 1-L bag)	0–20 mL
Leakage	Adjustable	Adjustable	Adjustable	–	–
Weight	400 g	325 g	285 g	190 g	25 g
Dimensions, L×W×H	400×140×40 mm	300×115×40 mm	270×115×40 mm	300×115×42 mm	150×45 × 45mm
Components	Exchangeable	Exchangeable	Exchangeable	Exchangeable	–
Autoclavability	Sterilisable	Sterilisable	Sterilisable	Yes, at 134 °C	Yes, at 134 °C
Additional features	–	–	–	Double taper connection (OD 22 taper, OD 15 taper)	–

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