

Imetric. It makes a difference!

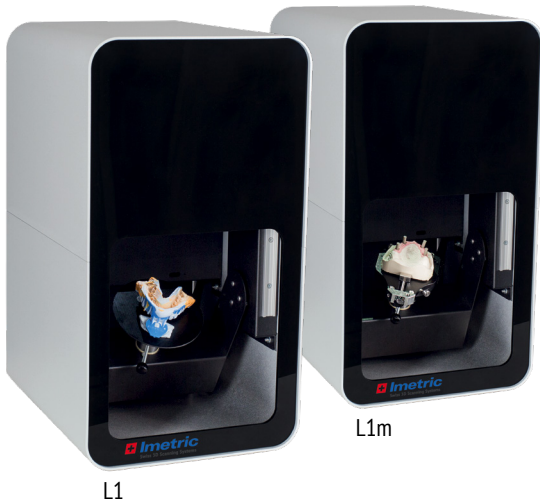
**We reduced the price and size,
but not the accuracy and
performance!**

IScan L1 Series



 **Imetric**
Swiss 3D Scanning Systems

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Combining accuracy with reliability and simplicity

Based on decades of experience in industrial metrology, the provider of the most accurate scanner in the dental market – Imetric 3D SA – has developed two new, affordable and accurate scanning systems for use in the dental laboratory.

The IScan L1 is the scanner for standard indications like crowns and bridges, partials, dentures, inlays/onlays etc. Important: It can be upgraded to the version L1m, which is also capable of scanning implant models for the production of custom abutments and multi-implant restorations, in addition to the afore mentioned standard indications.

Due to open data formats, the L1 Scanner Series is compatible with multiple CAD software solutions, providing the user with diverse options and solutions. Imetric supports exocad and DDesigner.

The new scanning software offered by Imetric stands out due to simplified handling and higher scanning speed.

Technical specifications

Technology	Heterodyne phase shift-based structured white light combined with photogrammetry
Scan volume	Diameter 110 mm, up to 80 mm height
Scan speed:	Single die: Approx. 30 sec 9 dies (in multi-die): Approx. 30 sec Full arch model: Approx. 30 sec
	Two cameras, 1.3 Mega Pixels
Data quality:	
Noise	< 5 µm (depending on surface of object)
Repeatability	< 10 µm (depending on surface of object)
Accuracy	< 15 µm over complete arch
Scan indications	L1: Impressions, dental models and check-bites - standard indications, such as crowns and bridges, partials, dentures, inlays/onlays etc. L1m: Impressions, dental models and check-bites - implant models for the production of custom abutments and multi-implant restorations (in addition to the afore mentioned standard indications)
Multi-die scanning	Yes
Dimensions	29 cm width x 36 cm depth x 52 cm height
Weight	15 kg
Calibration	Fully automated calibration method
Data output	Binary STL, Implant positions in XML
Power requirements	100-240 V AC, 50-60 Hz, 2A
Open output formats	<ul style="list-style-type: none"> ▣ Open file output for exporting to multiple dental CAD applications. ▣ Integrated workflow for exocad. ▣ Semi-automated workflow for 3Shape Dental Designer. ▣ Output formats: STL, color obj, color ply, color wrz (for integration with Digistell), and xml (for implant positions).