

THIEME+DIGITAL

+ Printing solutions - a class of its own

THIEME LAB Digital

For the development of products and manufacturing processes
Ideal for the manufacturing of prototypes and customer samples



Why
THIEME
LAB Digital?



- + Platform for the development and approval of ink systems
- + For the evaluation of different printhead manufacturers
- + Direct access to printhead-specific parameters such as wave forms, resolution, and printing modes
- + Integration of various drying technologies
- + Reliable transfer of the development parameters to production machine solutions
- + First samples and prototype testing
- + Caldera Rip Software for color management and printing parameters
- + Thieme quality „Made in Germany“

THIEME + DIGITAL

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THIEME LAB Digital

Basic Data



- + For single and multipass applications
- + Highly precise, vibration-free linear technology
- + Variable print head arrangement
- + Substrate alignment by means of CCD cameras +/- 15 µm (optional)
- + Programmable camera software enables various reference marks
- + Easy ink supply via cartridge system
- + PLC control of all printing parameters
- + Variable UV parameters

Barrier-free development



- + Optimal matching of ink and process:
Determination of optimal process parameters
 - + Printhead parameters
 - + Printing modes
 - + Drying performance
- + Inspection of process changes during production

Technical Data



Machine type	Unit	THIEME LAB Digital
Print size	mm inch	400 x 210 15.7 x 8.3
Max. substrate weight	Kg	2
Size of vacuum area	mm inch	400 x 210 15.7 x 8.3
Max. substrate thickness	mm inch	55 2.2
Table fine adjustment Y-Y-X	mm inch	+/- 8 +/- 0.3
Outer dimensions (w/l/h)	mm inch	1115 x 2687 x 2227 44 x 106 x 88
Weight	kg	1000
Mechanical repeatability	µm	+/- 15
Power supply	V	400 / 230
Circuit connection	kW	machine 3, uv system 3,4
Consumption	A / V	12/400

All technical information is not binding and is subject to change

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