

THIEME

+ Printing solutions - a class of its own

THIEME LAB 1000

For the use in product and process development. Designed for selective coatings such as printed electronics, solar cells, RFID and organic electronics.



Why
THIEME
LAB 1000?
→

- + Precise alignment of single- and multilayer
- + Shortest setup time for the screen, substrate and printmedia
- + Simple parameter control and precise documentation
- + Thieme quality „Made in Germany“

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Specifics



- + High precision screen printer
- + Automatic screen alignment with CCD cameras
- + Automatic substrate alignment with CCD cameras
- + Teachable camera software to allow different fiducial marks
- + Patented squeegee system with automatic pressure control and self alignment
- + Automated change of screen without removal of squeegee and flood bar
- + PLC Control of all printing parameters with Siemens color touch panel
- + Documentation and download of process parameters to perform statistics

Technical data



Type of machine		400	600
Print size	[mm]	400 x 400	600 x 600
Sheet size max.	[mm]	420 x 420	620 x 620
Frame size max.	[mm]	850 x 800	1050 x 1000
Frame size min.	[mm]	300 x 240	300 x 240
Size of vacuum area	[mm]	400 x 400	600 x 600
Outer dimensions (w/l/h)	[mm]	1685 x 1570 x 2200	2085 x 1770 x 2200
Weight	[kg]	950	1050
Substrate thickness max.	[mm]	20	
Table fine adjustment Y-Y-X	[mm]	+/- 8	
Squeegee speed	[mm/sec]	50 - 1000	
Mechanical repeatability Screen alignment	[µm]	+/- 15	
Mechanical repeatability Substrate alignment	[µm]	+/- 15	
Power supply	[V]	400 / 230	
Circuit connection	[kW]	3,5	
Consumption	[AV]	6,5 / 400	

Print speed on request. All technical information is not binding and subject to change.

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