

THIEME KPX

+ Printing solutions - a class of its own

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
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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Basic Data



- + High precision screen printer with tolerance +/- 15 microns
- + 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



Print size	400 x 400 mm	15.7 x 15.7 inch
Sheet size max.	420 x 420 mm	16.5 x 16.5 inch
Frame size max.	800 x 850 mm	31.5 x 33.5 inch
Size of vacuum area	400 x 400 mm	15.7 x 15.7 inch
Max. substrate thickness	20 mm	0,8 inch
Table fine adjustment Y-Y-X	+/- 8 mm	+/- 0,3 inch
Squeegee speed	50 – 500 mm/sec.	9.8 – 98.4 fpm
Outer dimensions (w/l/h)	1685x1500x2145 mm	66x60x85 inch
Weight	820 kg	1808 lb
Mechanical repeatability	+/- 15 µm	
Machine speed*	600 cycl/h	
Power supply	400 / 230 V	
Circuit connection	3,4 kW	
Consumption (A)	12/400 V	

* Calculated max. machine output.

All technical information is not binding and is subject to change.

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