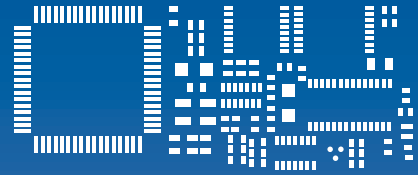


The second generation  
of a world proven pioneer.

**NEW**

# LPKF SL 600 HS



LPKF are proud to launch the 3rd model of this successful StencilLaser family, the SL 600 HS which is based on the proven design of the SL 600.

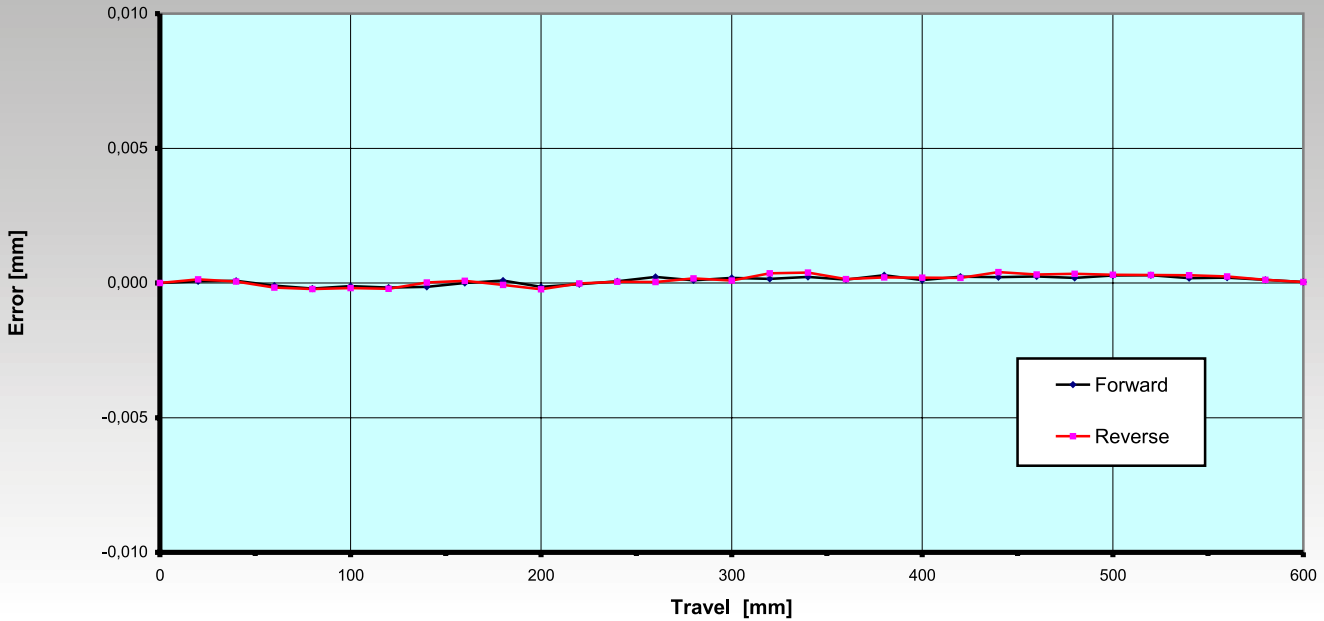
With the SL 600 HS LPKF offers not only a laser system but also the complete know-how for stencil production.

The completely new X/Y motion system significantly increases the cutting performance. With the LPKF TurboCut option this system also covers the areas of wafer bumping and new chip technology. A new success story starts with the launch of the SL 600 HS.

**LPKF**<sup>®</sup>

Laser & Electronics

### yP POSITIONING ERROR - Plot Y-Axis



**Date:** 14.10.99  
**Location:** LPKF Suhl  
**Inspector:** U.K.  
**Measuring:** Laser interferometer

**System:** LPKF XY 60/60 GL  
**Series:** 011 971 031 99  
**Axis:** Y (X 300 mm)  
**Temperature:** 20,00 °C

### Technical data

Cutting performance	up to 6000* (25.000)**apertures/h
Cutting range	600 mm x 600 mm (23.6 inch x 23.6 inch)
Maximum sheet size	850 mm x 800 mm (33.5 inch x 31.5 inch)
Material thickness	up to 600 µm
Maximum speed	150 mm/sec.
Repetition rate	up to 5 kHz
Axial precision (X/Y axis)	+/- 4 µm on full working area (20°C +/- 0.5°C)
Right-angle precision	less than 2 angular seconds
Repeatability	+/- 1 µm
Dimensions of XY table (L x W x H)	2300 mm x 1750 mm x 1350 mm (90.5 inch x 68.9 inch x 53.1 inch)
Dimensions of controller (L x W x H)	950 mm x 600 mm x 1900 mm (37.4 inch x 23.6 inch x 74.8 inch)
Overall weight	3.500 kg

- measurement details referring to XY table
- technical details subject to alteration
- \* see LPKF standard samples
- \*\* with TurboCut LFII and circular apertures

This machine is designed as a **Class I Laser Product** during normal operation. In maintenance mode this system becomes a Class IV Laser Product.

