

LPKF Flatbed Laser Cutting Frame
Extended Application Options for
the LPKF StencilLaser Family



Efficient Sheet Metal Processing with Special Frame

The LPKF flatbed frame features a stable support grid consisting of a number of pointed support posts. The metal sheets are laid on the grid for laser cutting. Thick sheets in particular can be laid flat, helping the laser to remain focused on the material surface across the entire working area.

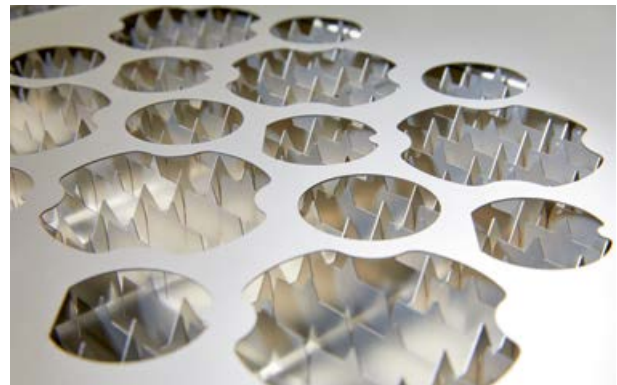
The special frame is designed for processing with LPKF StencilLaser G 6080 series laser systems. The maximum working area is 600 mm x 800 mm (23.6" x 31.5"); easy and rapid sheet mounting by means of adhesive strips provides for minimal setup time. With the sheet mounted, the flatbed frame can be inserted into and removed from the laser system in the usual effortless way.

The flatbed variant gives both new and experienced users of the laser technology additional commercial possibilities with the LPKF StencilLasers. The highly dynamic motion system and the proven optical and electronic elements used in the LPKF StencilLaser G 6080 systems guarantee top results and maximum reliability in terms of precision, speed, and repeatability. Stainless steel sheets with thicknesses of 300 µm to 1000 µm can be processed optimally in the flatbed frame.

The data for the design of the support grid are also supplied so that the pointed support posts can be reproduced with the StencilLaser at any time and replaced when necessary. This gives the user full control over the only parts on the frame that are subject to wear.



Flatbed frame used with the StencilLaser G 6080



The support grid keeps even thick sheets optimally in the focal plane of the laser

LPKF Flatbed Frame	
Frame type	Rectangular steel tube frame with transverse and longitudinal bracing
Working area (X x Y)	600 mm x 800 mm (23.6" x 31.5")
Frame dimensions (X x Y x Z)	740 mm x 920 mm x 30 mm (29.1" x 36.2" x 1.2")
Maximum loose sheet dimension (X x Y)	670 mm x 850 mm (26.4" x 33.5")
Recommended loose sheet thickness	0.3 mm – 1.0 mm (11.8 mil – 39.4 mil)
Weight	8 kg (17.6 lbs)
Support post material	Stainless steel, 0.25 mm (9.8 mil)
Wear parts	Support posts, cut replacement supports with your own StencilLaser

