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New Enhanced Hybrid Laser Welding System from LPKF Laser & Electronics

September 2010, Erlangen, Germany – LPKF Laser & Electronics has introduced two new enhancements in its TwinWeld hybrid welding system. The stand-alone features in the TwinWeld system include a compact housing and an advanced welding head.

In standard hybrid welding, the laser beam is normally enclosed by a thermal field. This thermal field maximizes the process window, removes the necessity for a tempering process and improves the welding speed.

In the new LPKF LQ-Integration inline module, engineers minimized the size of the welding head. Such compact dimensions ensure that more than one head can be installed in the client's layout without taking up additional space. The controls and the laser source are installed in a separate cabinet.

Laser Welding Business Unit's Vice President, Frank Brunnecker stated that the hybrid welding method needs only a component holder and removes the necessity of using complex clamping tools. He added that a rotary indexing table in the TwinWeld welding system supports welding as well as loading and unloading stations of car lights.

About LPKF

LPKF Laser & Electronics AG manufactures machines and laser systems used in electronics fabrication, the automotive sector, and the production of solar cells. Around 20 percent of the workforce is engaged in research and development.



Image found at: http://www.azooptics.com/images/News/NewsImage_10759.gif

LPKF TwinWeld3D with a rotary indexing table

Source: <http://www.lpkfusa.com/lq>

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