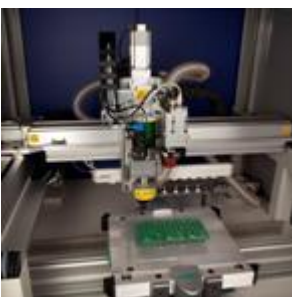
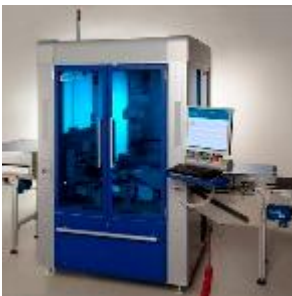


Mikkeli,  
February 01, 2012

# Highlight

## New machines for laser polymer welding

Workstation design comprises optimization and development of various modules that form the system. That includes laser, electronics, pneumatics, frame, process components, motion systems and motion controls. If the system has mechanical axes in addition to optical axes the motion system requires discrete initial planning.



In order to reach high production volumes, the mechanics as well as motion controls have to be designed based on sufficient dynamic performance, DFM/A and cost efficiency. In this mix the motion controller plays an important role between soft and hardware. Within the frame of the European PolyBright collaborative project, Cencorp has been testing and investigating different motion control systems for various machine configurations and specific drives in Workpackage 5. Based on these results, a controller with required performance and features can be selected for controlling the motion of the mechanical axes of the polymer laser welding workstation.

For any further questions our experts will be pleased to provide you assistance:

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