

ASSEMBLY PRO

LASER-BASED WORKER ASSISTANCE SYSTEM



VISUAL GUIDANCE SYSTEM TO SUPPORT AND CONTROL ASSEMBLY,
MOUNTING, EQUIPPING AND ALL SORT OF POSITIONING TASKS



ASSEMBLY PRO – THE DIGITAL LASER ASSISTANT FOR PUTTING PARTS TOGETHER



Use laser-based worker assistance to increase the efficiency of your manual production processes. Replace complex specifications, templates or measurement instructions with visual information from your CAx system. Laser outlines generated by galvanometer-based projectors are highly visible and precise on virtually all surfaces, even at bright light ambient conditions.

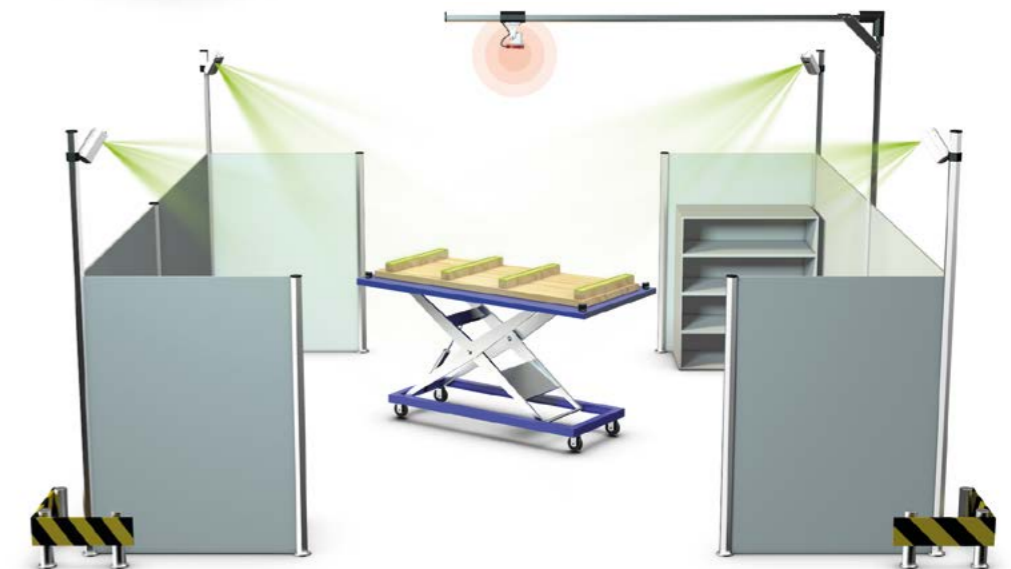
ASSEMBLY PRO single
Projection setup with one CAD-PRO compact laser projector. Your entry to laser-based worker assistance for easy assembly or positioning tasks.



ASSEMBLY PRO duo
Projection system with two CAD-PRO compact laser projectors, used for more complex geometries to prevent shadows and flickering. The projection task is distributed evenly between the projectors by a load balancing routine integrated in the PRO-SOFT software.



ASSEMBLY PRO smart
If you have a „smart factory“ scenario, ASSEMBLY PRO smart is the right solution for you: the working area is covered by CAD-PRO compact laser projectors and supervised by DTEC-PRO IR camera systems. This way, you may position one or several known working tables anywhere in that area - automated calibration is a matter of seconds and you can start working



YOUR BENEFITS:

FASTER PRODUCTION

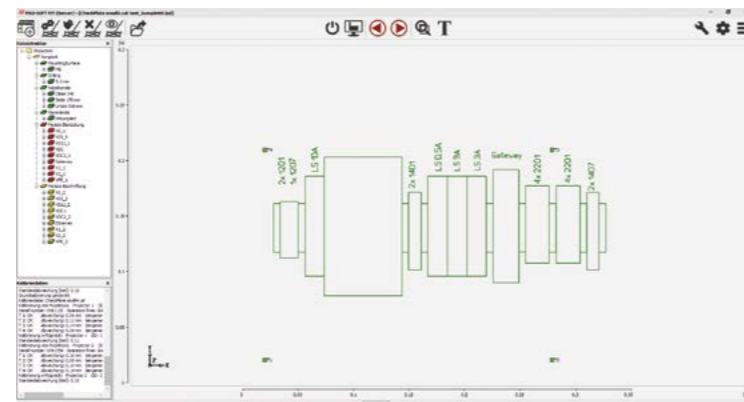
by using visual information instead of reading drawings or circuit diagrams

HIGHER RELIABILITY

using step-by-step display of the production process

HIGHER QUALITY

by prevention of errors and flexible supervision



RHINO 3D AND PRO-SOFT

You may easily create work documents and projection data by using RHINOCEROS 3D CAD software. You can organize and optimize projection sequences for your production. Based on this data LAP PRO-SOFT projection software guides the user step by step through the manufacturing process.

ASSEMBLY PRO, A QUALITY SYSTEM BY LAP

For more than 30 years, LAP has been developing, manufacturing and distributing laser measurement systems, line lasers and laser template projectors for industrial and medical applications. LAP products are high-precision devices *Made in Germany*. Using LAP laser systems, our customers improve performance and increase the quality of their products as well as the effectiveness of their processes.

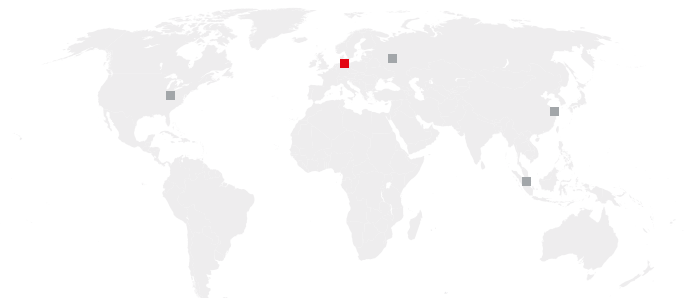
As a result of continuous product innovation, LAP has become a world leader in lasers for projection and measurement. LAP products are setting the standards in a wide range of markets from manufacturing to heavy industrial environments and medical applications. Environmental protection is important to us. We use solar panels, green electricity and roofs planted with grass. Our production is planned by standards of sustainability.

Quality has always been part of our commitment. We are content if you are. We know your high demands. To meet your requirements, the quality management of LAP is certified by DIN EN ISO 9001:2008 for industrial products and by EN ISO 13485:2007 for medical engineering products.

www.lap-laser.com



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