

LINE LASERS, LASER PROJECTORS AND LASER SYSTEMS FOR NON-CONTACT MEASUREMENT OF DIMENSIONS



Summary

LAP is a hidden champion in laser technology supplying various industries with laser projection and laser measurement systems.



made
in Germany

www.lap-laser.com

Company Profile

In 1984, LAP being pioneer in laser technology, started to develop simple point and line laser units for industrial measuring systems, soon recognizing the growing demand for non-contact measuring techniques in industrial applications. Over the years, LAP became well known as a manufacturer of high-precision, industry-proof measuring systems in different industrial sectors, as human medicine, such as steel industry and aviation. Today LAP's worldwide customers include companies such as ThyssenKrupp, Siemens and Airbus.

In "projection" applications, LAP laser systems are used in aircraft manufacturing. Here they project the contours of built-in parts and make the manufacture of wings and tail units not only easier but also a lot safer.

Similar LAP systems are used in the precast industry to ensure that precast components feature the correct dimensions. And in the manufacture of kitchen countertops, for example, they check whether the products have been machined with the required accuracy.

Products

LAP laser sensors ATLAS, POLARIS, ANTARIS, METIS and CALIX are used for dimensional measurement. Customers can chose between triangulation sensors, laser scan micrometer or laser light section sensors.

LAP does not only offer components, but complete, turn-key systems, from development, design, production and construction to commissioning - hardware, software and service. Ready-made, modular or customized solutions using state of the art laser technology. LAP key systems are CONTOUR CHECK, RDMS and STRAIGHTNESS CHECK.

LAP CAD-PRO laser projectors display precise, true to scale outlines, templates, patterns or other shapes on virtually all surfaces by projecting laser lines.

LAP SERVOLASER XPERT with Ethernet/IP offers movable laser lines combined with fixed lines in an industry housing.

LAP line lasers project lines, crosshairs or points. Models vary in laser colour, size, enclosure rating, and power supply. They are used for alignment and positioning tasks in many industries and crafts.

Target group

Aviation industry, automotive industry, steel industry

References

Metal industry: BAOSTEEL, Nanjing Steel, ArcelorMittal, posco, Nippon Steel, TATA, Hyundai, vallourec, SMS SIEMAG, KOCKS, ThyssenKrupp

Aviation industry: Airbus, Boeing, Embraer, eurocopter, EADS

Automotive industry: VW, Audi, BMW, Michelin, Harburg Freudenberger

Other industries: BASF, MAGNA, HOMAG, Johnson Controls

Competitive Advantages

LAP uses lasers, sensors, and projection systems from own development and production. 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. Quality Management is alive at LAP. The systematic of procedures is reflected in the precision of the products. New developments are checked by existing rules, existing rules are checked by new developments.

Purpose of Visit in China

Establishing contacts with potential clients

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