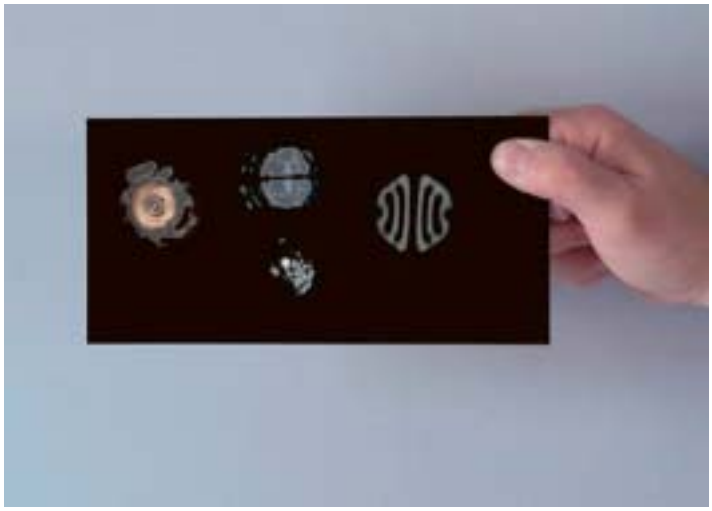
Laser-Alignment-Paper LDT-LP

INDUSTRY STANDARD LASER ALIGNMENT THERMAL-SENSITIVE PAPER

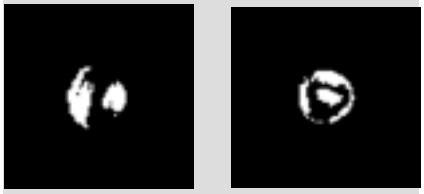
- Simple
- Quick
- Affordable Laser Beam Alignment



LDT-LP DOCUMENTS

- Beam Shape
- Mode
- Intensity
- Divergence
- Energy Distribution

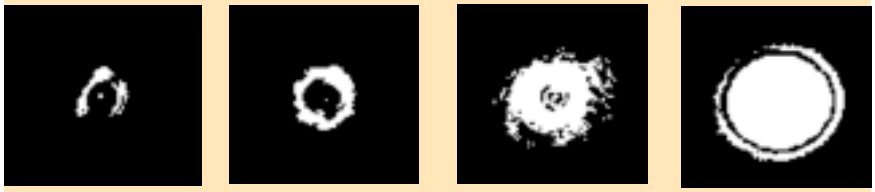
MISALIGNED / ALIGNED



3 ms Pulse
0.1 Joules

3 ms Pulse
5.0 Joules

WHAT YOUR LASER BEAM SHOULD LOOK LIKE



7 ns Pulse
3 mJoules

70 ns Pulse
90 mJoules

70 ns Pulse
310 mJoules

10 ms Pulse
20 Joules

Germany and other countries: LASER COMPONENTS GmbH, Phone: +49 8142 2864 0, Fax: +49 8142 2864 11, info@lasercomponents.com
USA: LASER COMPONENTS IG, Inc., Phone: +1 603 821 7040, Fax: +1 603 821 7041, info@laser-components.com
Great Britain: LASER COMPONENTS (UK) Ltd., Phone: +44 1245 491 499, Fax: +44 1245 491 801, info@lasercomponents.co.uk
France: OPTOPHOTONICS sa, Phone: +33 1 3959 5225, Fax: +33 1 3959 5350, info@optophotonics.fr

Pulse Width Range	1 ns to 30 ms
Power Level Range	5 mJ/cm² to 20 J/cm²
Min. Beam Diameter	6,5 mm
Sheets per Box	75 pieces
Sheet Size	127 mm x 57 mm

CAUTION:
Always Wear Laser Protective Eyewear

HOW TO HANDLE THE LDT-LP:

- LDT-LP is sensitive over a broad spectrum from ultraviolet to infrared, it is used to align external accessories to the laser beam axis, such as beam expanders, lenses, apertures, attenuators, and power measuring equipment.
- LDT-LP is simple to use. Hold or fasten it in the beam path at the point where the beam imprint is to be recorded. Pulse the laser and a permanent visual record is produced, corresponding to the energy distribution within the laser beam. If the laser being used is continuous wave (CW), you can create a short pulse by Q-switch, mechanical chopper, or by physically turning the laser on and off rapidly.

THE IMPRINT ON LDT-LP PAPER PROVIDES INFORMATION ABOUT

- Mirror alignment accuracy
- Energy distribution, mode quality and edge definition
- Vignetting
- Secondary emissions due to uncoated or mis-placed optics
- Divergence
- Optical damage in the beam path
- Save LDT-LP burns for historical evaluation and comparison of alignment and beam quality. OEMs and field service personnel commonly use previous burn patterns for quick performance checks

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