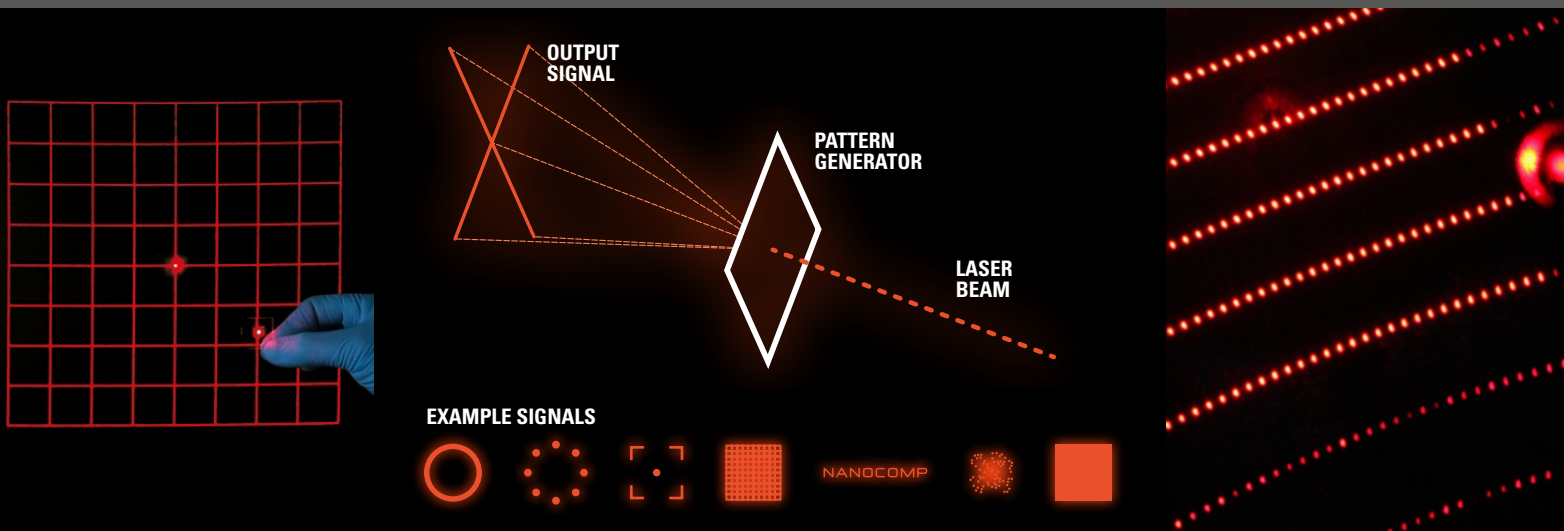


NANOCOMP

NANOCOMP PATTERN GENERATORS

Diffraction Optical Elements, DOE



APPLICATIONS

- > Machine vision
- > Gesture recognition
- > Laser measuring systems
- > Product identification & security
- > Laser machining
- > Customized signals for large output angles

SPECIFICATION

- > Pattern: fully customizable, opening angle up to 80°
- > Binary, multilevel or continuous structure profiles
- > Material & thickness: PET, PMMA, PC 0.02–0.6 mm

HIGHLY EXPERTISED ENGINEERING

- > Very experienced in-house design with design for manufacturing (DFM) approach
- > Highly customizable signals
- > High expertise on large output angles
- > Rapid prototyping & simulations
- > Good understanding of manufacturability

PATTERN GUIDELINE

- > For inversion symmetric signal: opening angle up to 80° (+/- 40°)
- > For asymmetric signal: opening angle up to 30° (+/- 15°)

Pixel amount (diffraction orders) can be up to few million depending on pattern.

DELIVERY FORMAT

Plastic film on roll, sheets or cut to products. In-house die cutting and laser cutting lines. Components delivered with protective films.

Nanocomp Ltd is a high-tech company with 20 years of experience in the field of diffractive optics. Nanocomp provides versatile solutions for global customers focusing on design, tooling and mass production of thin foil optics.

Nanocomp Oy Ltd

Ensolantie 6, FI-80710 Lehmo, FINLAND
tel. +358 50 463 6970 | contact.nano@nanocomp.fi
www.nanocomp.fi

