VTEC
LASERS & SENSORS

Wafer processing

VTEC Lasers and Sensors produces photonic circuits on semiconductor wafers through the intricate process of wafer processing. VTEC has access to cleanroom facilities with advanced equipment, such as the NanolabTUe, to offer you the highest capabilities we can.

Using the latest equipment, cimbined with inhouse and external expert consultants, helps us deal with increased demands and complex specifications. This makes our solutions suitable for the next generation of photonic devices. We design solutions according to your specific product requirements and constraints.

Service description

Capabilities

VTEC Lasers and Sensors makes use of an 800m^2, ISO class 6 fully equipped cleanroom with advanced equipment. Features offered by this facility include:

- Advanced functions in processing of III/V semiconductors and especially in epitaxial growth of the materials for photonic integrated circuits
- Indoor labs also holding scanning electron microscopes and nano-prototyping and bonding equipment.
- A unique feature is the capability to resolve features as small as 100 nm on a 3-inch indium phosphide wafers - thanks to a scanner from the leading lithography company ASML.

Expertise

VTEC Lasers and Sensors has both inhouse litography engineers and close consultants with more than a decade of experience in leading positions in cleanroom facilities.

This enables step by step contact in wafer processing and product development phases. It also allows us to meet your specific product requirements and constraints.

VTEC Lasers & Sensors
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