Focuz provides advanced EMS & ODM manufacturing services with extensive experiences in SMT & box build, hybrid electronic packaging (COB), and packaging of optoelectronic and precision electro-mechanical components, modules, and sub-systems for OEMs in

- Optical telecom & datacommunication
- Advanced consumer products
- Biomedical & healthcare
- Industrial applications
- Automotive

As Your manufacturing partner, we provide global materials sourcing, DFM inputs, manufacturing process development & engineering, new product introduction (NPI) & prototyping, through mass production, including ongoing manufacturing improvements with six-sigma-level quality services in the low-cost far east facility. Our 5,200 m² facility with clean rooms is located in north Bangkok, Thailand.

Manufacturing Capabilities

Key Expertise:

- Hybrid Assemblies & Packaging
  Laser, Photodiodes, Images Sensors, MEMS, Sensors, etc.
- Fiber Optic Patch Cords
  FC, LC, SC, E2000, MTP/MPO, Prizm, etc.
- Optical Assemblies
  Passive Components, Amplifiers, Transceivers, AOC, etc.
- SMT & BOX Build

Certified for ISO 13485, ISO 9001 & ISO 14001
Your solution to Outsource Manufacturing

HYBRID & LASER PACKAGING

Focuz has extensive experience in packaging of hybrid electronic and laser for various applications. The package types range from TO-Can to Box-type Butterfly package. Our key process capabilities are:

**Die Attachment**
- Eutectic with wide range of solder alloys
- Thermocompression, thermosonic, and ultrasonic
- Adhesive & UV Curing
- Better than 1 um postbonding accuracy

**Wire Bonding**
- Ball bond & stud bump with Au and CU wires
- Wedge bond with Au and Al wires
- Ribbon bond

**Optics Alignment & Attachment**
- Submicron accuracy
- Laser welding, laser soldering, soldering, adhesives, and mechanical fastening

**Hermetic Sealing**
- Seam welding, laser welding, glass sealing, and soldering

**Burn-In & Functional Testing**

![Light Sensor](image1.png)
![Image Sensor 2](image2.png)
![Optical Engine for AOC](image3.png)

![VCSEL Lighting for Dental Scanner](image4.png)
FIBER OPTIC CABLES

Focuz has mass production for fiber optic cables to support various types of applications, e.g. interconnect, networking, gigabit ethernet, etc. The capabilities of our fiber optic cable production are:

- All Types of Connectors: FC, LC, SC, MU, MPO, E2000, MT, and MT-RJ
- Single Mode & Multimode
- PC & APC Finish
- Simplex, Duplex, Fan-out, and Loopback
- Compliance with IEC, JIS, and Telcordia

SMT & BOX BUILD

Focuz provides a full range of manufacturing services from PCBA to box build of electronic and optoelectronic devices, modules, and sub-systems. Our key SMT capabilities are:

- RoHS Compliance (Lead-Free)
- Workmanship Standard IPC-610D Class 1, 2, and 3
- Passive Component Mounting down to 0201 & 01005
- All Types of IC packages: uBGA, CSP, Flip Chip, and COB
Your solution to outsource Manufacturing

Focuz Electronic Manufacturing Service Provider

Focuz provides advanced EMS & CDM manufacturing services
- Founded in 2009 with 535 employees in 2017
- Manufacturing area 5,200 m² in Bangkok /Thailand
- Specialized in High Precision Opto Electronic Devices
  + wafer dicing, Die attach, precision assembly etc.
- All Clean rooms (class 100,1K, etc) with ESD protection
- Newest equipment for production and Test
- Logistic links to major cities around the world
  + Drop shipments direct to the customer
- Thailand is member at the ASEAN pact
  + guarantees best logistic at low cost into these countries
  + no import duty and tax for raw materials and equipment

Contact Us

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Manufacturing Services
- At any volume and mixes
- At any stage of life cycle (from NPI to Mass Production)
- Turn key materials management, backtracking

Value-Added Engineering Services
- Design support & prototyping
- Design for manufacturing (DFM/DFX)
- Failure analysis
- Reliability testing

Dedicated production line with highest IP protection.

Thailand is a low cost country and therefore we can offer best price at best quality.