



## Welcome to Fabrinet

Providing highly sophisticated engineering and precision manufacturing for complex optical and electro-mechanical components, modules and bulk optics, Fabrinet is your best choice for complex high-mix, low-volume outsourced manufacturing .

### Vertically Integrated Manufacturing

More than 1,000,000 square feet of world-class manufacturing capacity, Class-100 clean rooms, onsite test and reliability labs, and industry leading expertise for precision optical component manufacturing enable Fabrinet to offer vertically integrated, turnkey production of virtually every product within the network spectrum. Our experienced process engineering staff and comprehensively equipped factories ensure an extremely rapid ramp to full production, surpassing yield and reliability requirements through ongoing process engineering optimization. Whether you require 150,000 or 15 assemblies a week, Fabrinet has the capacity and flexibility to scale per customer demand.

### Process Transfer Expertise

Fabrinet has amassed the considerable knowledge required to transfer exacting optical manufacturing processes from all over the world to lower cost regions in South East Asia. Our comprehensive approach to product transfers and a highly skilled and experienced workforce have made us a leading choice for OEMs seeking to improve operational efficiency and reduce manufacturing costs.

### Strict IP Protection

Highly regarded for our unwavering commitment to rigorous intellectual property protection, Fabrinet ensure the ongoing security of our customers' sophisticated product designs and process technologies.

### Supply Chain Expertise

Fabrinet's factories are located in the heart of manufacturing centers in Thailand, China and the United States. Well-established relationships with local suppliers drive continuous materials cost reductions. Dedicated supply chain resources ensure dynamic response to the changes our customers experience in their markets – ranging from high-volume, high-velocity material flow using vendor

managed inventory to low-volume, high-mix programs supporting turnkey operation. Fabrinet also sources and provides design and manufacturing services for bulk optics, crystals and glass through our subsidiaries' Casix and VitroCom.

### A Quality and Cost Leader

An ISO 9002, 13485, TL 9000 and TS 16949-certified facility, Fabrinet embeds stringent quality practices and manufacturing process disciplines into every aspect of its operations. All employees are trained in Six Sigma and Kaizen standards as well, ensuring continuous improvement in all functional areas. Audited and approved as a premier manufacturing service provider by major telecommunications and datacom vendors as well as leading automotive suppliers, Fabrinet offers customers a compelling cost advantage with an enduring value proposition for highly complex manufacturing requirements.

### Customer Centric Focus

Comprehensive product traceability and optional 24/7 shop floor visibility via private, secure web access offers customers real-time data and control over virtually every conceivable aspect of production control. Fabrinet's "factory within a factory" production lines offer complete IP security and the ability to establish process and manufacturing operations uniquely structured to a particular customer or product. More than a third of our engineers hold advanced engineering degrees from universities in the United States, Europe and Japan. We leverage these highly experienced engineers with customer-dedicated teams who maintain responsibility for particular product lines, customizing operations to ensure that Fabrinet exceeds customer expectations. Our resulting reputation for customer service is unparalleled in the industry and one of the major reasons for our continuing success.

## Fabrinet's engineering and manufacturing services include:

### Manufacturing

- Optical Alignment (six axis)
- Die Attachment
- Adhesive Bonding
- Wire Bonding
- Hybrid Assembly
- Fusion Splicing
- TO Can Packaging
- Butterfly Packaging
- Hermetic Sealing
- Connectorization
- Laser Welding
- Encapsulation
- Complex Mechanical Assembly
- Rigid and Flex PCBA
  - uBGA, CSP
  - Flip Chip C4
  - COB/COG
  - 0201 passives
  - Lead free
- High Volume Hand Solder
- Repair and Refurbishment
- AR Coating

### Supply Chain

- Supply chain Total Ownership
- Asian low Cost Vendor Base
- Ten Years Experience with Oracle ERP
- B2B Materials Management Solution
- Experienced in Vendor Managed Inventories
- Lean Manufacturing Practices

### Engineering

- NPI
- Design for Manufacturing
- Design for Cost
- Process Development
- Tooling Design
- Failure Analysis
- Full Text Development

### Test

- ICT<FCT<AO1
- 2D/3D X-Ray, Acoustic Scanning
- Helium Leak
- Reliability Labs
- Bellcore Lab and Telecordia
- Material and Process Labs

### Quality

- ISO 9001:2000, 14001
- TS 16949 Automotive Certification
- TL 9000 Telecommunication Quality Systems
- e-Based Data Collection and Analysis Systems

### (eDCAS)

- Real Time SPC, Cpk
- Component Level Traceability

### Environmental Policy

- RoHS/WEEE Compliant

### Thailand

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