



Milpitas Customer Innovation Center

Global scale & reach

\$26 billion
company

52 million
sq. ft. of manufacturing
and services space

>1,000
global customers

200,000
employees

30
Countries

1.2 million
active components

100+
locations

14,000
active global
suppliers

2,500
design engineers

Focused Business Segments

High Reliability Solutions

Aerospace & Defense, Automotive, Medical



Consumer Technologies Group

Connectivity, Mobility, Personal Systems



Industrial & Emerging Industries

Energy Management, Appliance & Lifestyle, Equipment & Automation, Energy



Communications Enterprise & Compute

Telecommunications, Networking, Server & Storage



The Power of Insight



\$2 Billion in Service and Repair

Where We Are



Customer Innovation Center – Quick Facts

Innovation

Dedicated Labs
Access to Strategic Partnerships
LabIX/CIP
Access to World Wide Resources
2500 World Wide Design Engineers
Automotive Lab

Engineering

DFX/DFM
Prototype & Proof of Concept
Structural Testing (SPI, AOI, 5DX, Flying Probe, ICT, Dage)
Environmental Test (HALT/HASS, ESS)
Test Development

Manufacturing

12 Mfg Buildings
13 SMT Lines
4 Customer Confidential Centers
4 Clean Rooms
46 Million SMT Placements per Month
Soft Tooling Sheet metal
Plastic Injection Molding
3D Metal and Plastic
World Wide Scalability

Materials

Dedicated NPI Procurement
Strategic Supply Chain Support
Sustaining Flexibility Programs
Cost Reduction Roadmap
Real-time Visibility

Logistics

Direct Order Fulfillment Services
FGI Hubbing (Domestic & Global)
Reverse Logistics & Repair/Upgrade
Import/Export Global Management

Sketch to Scale

Customer Innovation Center – Silicon Valley Campus

NEW PRODUCT INTRODUCTION

Prototype to Product Launch
Class 1000 Clean Room Manufacturing

SYSTEM INTEGRATION

Configure to Order
Build to Order
RFID Palletizing

CAMPUS HEADQUARTERS

Customer Experience Center
Pulse Center

INNOVATION LABS

Technology Innovation & Engineering
Design for 'X' Services
Automotive Garage
Customer Confidential Center

INTERCONNECT TECHNOLOGY CENTER

Advanced Printed Circuits
Integrated Design Capabilities



CONFIDENTIAL CENTER

Private & Secure Manufacturing Room

PCBA & SYSTEM MANUFACTURING

Scalable Manufacturing
Procurement & Sourcing

SYSTEM INTEGRATION

Configure to Order
Build to Order
Class 100 & 1000 Clean Room Manufacturing

MECHANICALS & PLASTIC

Soft tooling Sheet Metal
3D Metal and Plastic
Plastic Injection Molding

ADVANCED ENGINEERING & ROBOTICS LABS

Value Engineering Services
Manufacturing Technology Innovation
Failure Analysis Lab
Material Characterization
Wearables Lab

Customer Innovation Center – Silicon Valley Campus



WAREHOUSING & DISTRIBUTION

Campus Direct Order Fulfillment Center
CTO and Pick, Pack, and Ship



FGSS DIRECT ORDER FULFILLMENT CENTER

FGSS Material Warehousing and Distribution
CTO and Pick, Pack, and Ship



REPAIR AND REFURBISHMENT

System & Board-Level Repair and Refurbishment
Configure-to-Order & Light Assembly
Direct Order Fulfillment; Pick, Pack, and Ship



Customer Innovation Center – Quick Facts

188

Customers on campus

1,261 - 5 per day average
Sustaining launches per year

85%

Lot sizes 100 units or less

1,778 - 7 per day average
NPI builds completed

4,011

Unique items shipped per month

18K
ECO's managed (71 per day average)

46

Million SMT placements per month

370
Audits per year (1 per day average)



Customer Innovation Center – Quick Facts

1900

Employees on campus

295

Employed between 15-20 years

300

Exceeding 20 years tenure

77

Employed less than a year

46% women / 54% men



Balanced and loyal work force with longevity

Customer Confidential Centers - IP Protection

- Private manufacturing centers
- Stealth break-out labs
- State-of-the-art manufacturing equipment
- Airport type security
- NDA access controlled - personal
- Metal detectors
- Stealth stock room
- Separate server



Clean Room Capabilities

- 1200 sq. ft.
- Class 10K
- Designed for Microelectronics Packaging

- 12,000 sq. ft.
- Class 100, with 800 HEPA filters
- Designed for high security stealth manufacturing

- 1400 Sq. ft.
- Class 1000
- Design to accommodate stealth manufacturing



Thank you