

**RAPID & COST EFFECTIVE SOLUTIONS  
TAILORED TO SUIT YOUR REQUIREMENTS**

**THE EXPERTISE OF ALL OR ONE**

» Early Stage Product Design & Engineering

- Product Development & Engineering (NPI)
- System Design
- Thermal Modeling
- Boards, Modules & Enclosures
- Circuit & Routing
- BIOS, OS and Drivers Support, Firmware Customization
- Design for Manufacturability (DFMA)
- Test Development and Design for Test
- Component Risk Mitigation & Obsolescence
- Value Analysis / Value Engineering
- Program Management / Product Life Cycle

» Contract Manufacturing Services (EMS)

- Full Turn-Key and Labor Only Manufacturing
- Subsystem Assembly & Integration
- Printed Circuit Board Assembly (PCBA)
- Lean Manufacturing Principles
- Cable & Wire Harness Assembly
- Sheet Metal & Precision Machining
- Powder Coating & Lamination
- Testing & Screening, Failure Analysis
- Local / Regional / Asian Supply Chain Management
- Low to High Production - Volume Scalability

» Aftermarket Solutions & End of Life Support (EOL)

- Warranty, Repair & Logistics Support
- Direct Fulfillment
- End-of-Life Material Management



**CALIFORNIA (NA HQ)**

2772 Gateway Rd  
Carlsbad, CA 92009

**+1 (760) 931-7800**

Design & Engineering  
Embedded Hardware / Systems



**CALIFORNIA**

2700 South Fairview Street  
Santa Ana, CA 92704

**+1 (714) 545-8886**

PCBA / EMS /  
Integration / Assembly

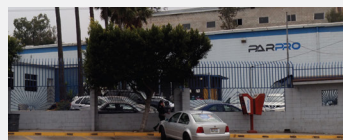


**NEVADA**

7390 Eastgate Road  
Henderson, NV 89011

**+1 (702) 331-2700**

Mechanical Engineering / Metal Works /  
Integration / Assembly



**MEXICO**

Periférico Sur No. 1 Col. Obrera  
Tijuana, Baja California México  
C.P. 22180

**+1 (664) 637-5602**

Wire Harnesses / Metal Works /  
Integration / Assembly



**TAIWAN**

67-1, Dongyuan Road  
Chungli Industrial Park, Taoyuan  
Taiwan 32063

**+866-3-452-5535**

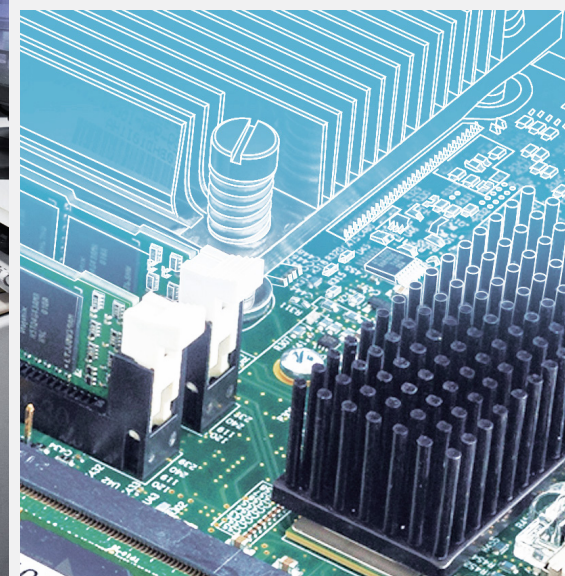
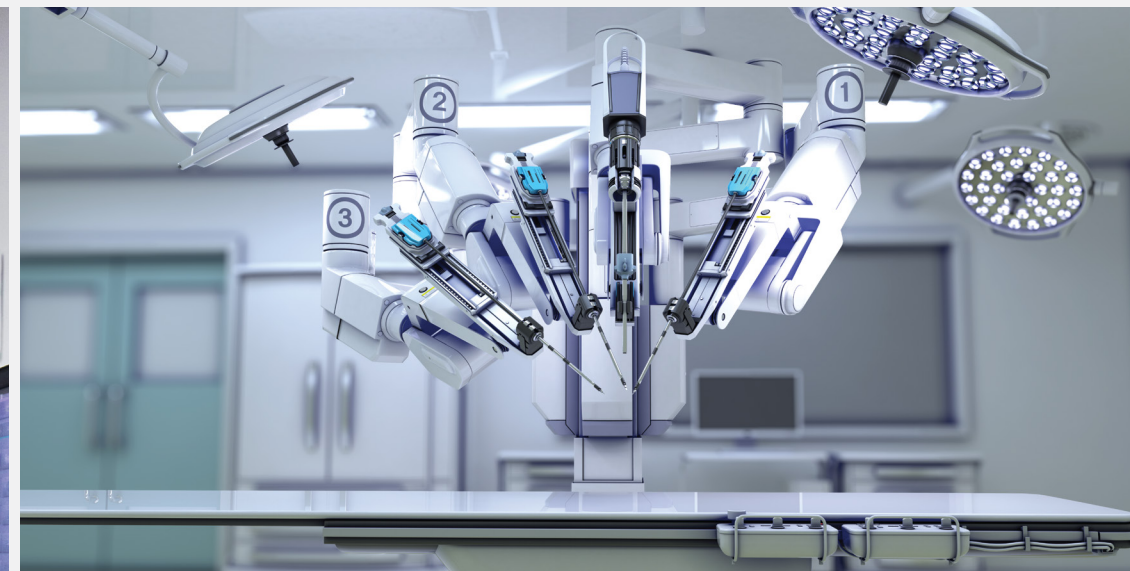
PCBA / Metal Works / EMS /  
Integration / Asian Supply Chain

**PARPRO**  
Partners in Production and Design



**MEDICAL**

MEDICAL DEVICE COMPUTING PLATFORMS & SYSTEMS



# MEDICAL

## SOLUTIONS TAILORED TO MEET YOUR NEEDS

**PARPRO** for Medical provides experienced and reputable contract manufacturing services, delivering complex solutions to cutting-edge and innovative companies for variety of medical applications.

With decades of experience, PARPRO offers OEM's unique solutions that extend far beyond traditional manufacturing services. We excel in complex build to print manufacturing for medical applications, and have a proven track record of producing the most demanding medical devices with high regard to quality and cost optimization, ensuring they meet the exact customer and regulatory requirements. In short, PARPRO is

committed to the success of its customers, and pride ourselves on our vast medical device knowledge that brings more insight to our customers and makes us an integral part of their solutions success. Additionally, with our truly global manufacturing footprint, including two priority sites with ISO 13485 certifications, PARPRO can leverage procurement, volume manufacturing, and distribution to the customers advantage.

### MANUFACTURE & ASSEMBLE

- Full Turnkey / Contract Manufacturing Services (EMS) in multiple locations

### BUILD TO PRINT

- Medical Devices for Class II and Class III

### TEST & VALIDATE

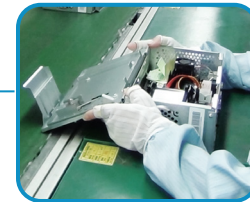
- Reliability, Performance, Specifications and Compliance

### ESSENTIAL TRACEABILITY

- For Production Efficiency, Warranty & Recall, Counterfeit & Unspecified Components, and Regulatory Compliance

### PROJECT PROFILE EXAMPLE SURGICAL INSTRUMENT STERILIZATION

- EMS Services for medical instrument sterilization chamber
- PCB Assembly and System Build
- Long-term medical customer, over 24 year relationship



### EMBEDDED MEDICAL PLATFORMS & SYSTEMS

- Complete System Level Integration
- Electronic Assembly Services



### PCB ASSEMBLY

- High Mix and Complex Printed Circuit Board Assembly



### BOX BUILD ASSEMBLY & INTEGRATION

- Low to High Volume with Range of Product and Sub-Assembly Complexity



### METAL FABRICATION

- Precision Sheet Metal Fabrication & Finishing



### WIRE & CABLE

- Assembly
- Custom Connectors

### >> APPLICATIONS

- ▶ Therapy
- ▶ Clinical IT
- ▶ Sterilization
- ▶ POC Diagnostics
- ▶ Patient Monitoring
- ▶ Patient Data Management
- ▶ Mobile/Home Healthcare
- ▶ Computer-assisted Surgery

### >> VALUE-ADDED SERVICES

- ▶ Design for Manufacturability
- ▶ Rapid Prototyping
- ▶ Material Selection & Purchasing
- ▶ Manufacturing (EMS)
- ▶ Testing Services
- ▶ Process Validation
- ▶ Shipping & Logistics
- ▶ Program Management

### >> MEDICAL QUALITY CERTIFICATION

- ▶ ISO 13485 certified
- ▶ 21 CFR 820 compliant

### >> WHY CHOOSE PARPRO?

**GLOBAL ORGANIZATION**

In business since 1991 with over 700 employees worldwide. Publicly listed on the Taiwan Stock Exchange since 2014 (4916:TT).

**INDUSTRIES**

Aerospace & Defense | Datacenter | Gaming | Industrial | Medical | Telecom | Transportation | Embedded Solutions & Platforms

**ODM SOLUTIONS**

One company through design, development and production, providing a faster more flexible, high quality solution resulting in cost optimization and margin stack reduction.

**DESIGN & ENGINEERING**

Leading-edge purpose-built US based hardware and firmware development for NPI, application specific and standard products.

**MANUFACTURING SERVICES**

State-of-the-art manufacturing solutions (EMS), specializing in production at all volume levels – either onshore, offshore or nearshore.

**GLOBAL SUPPLY CHAIN**

Low cost country or regional supply chain with North America based engineering and global integration, production, distribution, and fulfillment.