

# ENKHBAT JAMBAL

1617 Steele St #1, Denver, CO 80206  
(303)-523-3112 enkhjam0321@gmail.com

## Electronic- Assembly Technician | Soldering-Mechanical Specialist

### PROFESSIONAL PROFILE

Certified Assembly Professional with 12+ years of hands-on experience in high-precision manufacturing environments including medical devices, renewable energy systems, and advanced electronics. Core competencies include:

- Advanced Soldering & PCB Assembly IPC-610 certified (if applicable) with expertise in through-hole, SMT, and rework techniques
- Cleanroom & Regulatory Compliance GMP, ISO 13485, and Class cleanroom protocols Electro-Mechanical Systems Assembly of inverters, relays, and medical energy devices
- Quality Assurance First Article Inspection (FAI), in-process testing, and defect analysis
- Technical Documentation Schematics, work instructions, and non-conformance reports

### TECHNICAL SKILLS

#### Tools & Equipment

- Soldering Stations (JBC, Weller) | Reflow Ovens | Torque Drivers (0.2-50 in-lb)
- Oscilloscopes | Multimeters | Hi-Pot Testers | Automated Optical Inspection (AOI)
- ERP/MES Systems (SAP, Oracle) | CAD Viewers (AutoCAD, SolidWorks Composer)

#### Processes & Standards

- IPC-A-610 (Acceptability of Electronic Assemblies) | J-STD-001 (Soldering Requirements)
- Lean Manufacturing (5S, Kaizen) | Root Cause Analysis (Fishbone, 5 Whys)
- ESD Controls | FOD Prevention | Calibration Procedures

## Work History

## TE Connectivity March 2021—May 2024

- Assembled Cleanroom components for implantable medical devices, maintaining
- Performed in-process inspections using measurement tools (micrometers, pin gauges) per GD&T standards
- Trained 5 new team members on GMP documentation and aseptic techniques

### E-Max Instruments Inc Denver, CO

Electrical Assembler/Solder Technician | Nov 2016 – Oct 2020

- Hand-soldered PCB assemblies monthly for industrial battery monitors (lead-free, RoHS compliant)
- Reduced solder rework by through process optimization and pre-tinning techniques
- Built custom cable harnesses with pitch connectors using microscope-assisted assembly

### Terumo BCT Lakewood, CO

Medical Device Assembler | Jan 2015 – Mar 2018

- Assembled blood separation systems requiring tolerance, achieving on-time delivery
- Documented 200+ non-conformances in TrackWise QMS, driving CAPA improvements
- Certified in and CFR Part quality systems

### SMA Solar Technology | Denver, CO

Electro-Mechanical Assembler | Sep 2012 – Jan 2014

- Installed solar inverters (Sunny Central XT), including 480VAC busbar terminations
- Performed hi-pot testing (1.5kV DC) and thermal cycling validation per UL 1741 standards
- Collaborated with German engineering team to implement torque-to-yield fastener procedures

### CONMED Corporation Utica, NY

Medical Assembler (Contract Role) | Nov 2011 – Jul 2012

- Assembled Altrus RF generators for surgical use, including shielded RF cable assemblies
- Achieved Zero FDA audit findings through strict adherence to device history records

## EDUCATION & CERTIFICATIONS

- Siemens Beijing | P-0401 Hirom Service Technician Certification (2008)
- Covered: PLC troubleshooting, servo motor alignment, pneumatics
- High School Diploma Ulaanbaatar, Mongolia (1998)
- Excellent Student Award

## Professional Development

- IPC-A-610 Certified (if held) | OSHA 10-Hour General Industry
- Cleanroom Behavior & Contamination Control (Terumo BCT, 2017)

## Languages English and Mongolian

- Software Basic proficiency in Microsoft Dynamics GP , SAP
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- Physical Requirements Capable of Lifting 50 lbs, standing for 8+hours
- Security Clearance Eligible For ITAR compliance (if applicable )

## Key Enhancements

1. Technical Depth Added specific tools, tolerances, and standards.
2. Quantifiable Impact Included metrics (defect rates, output numbers).
3. Industry Keywords Optimized for ATS with terms like GD&T , CAPA, RoHS.
4. Professional Development Highlighted continuing education.

## Next Steps

I like to tailor this Further for a specific job Description Assembly devices.