JOB OPPORTUNITY

Junior QA and SMT Engineer

Type of Vacancy : Full Time

Preferred education level (s) : Diploma, Degree

Preferred Major (s) : Electric & Electronic Engineering

Organization details :

Company : Qbonics (M) Sdn Bhd
Website : https://tcprecision.co/
Address : 22 Jalan Temenggong, Kws. Perindustrian Temenggong, 81100 Johor Bahru, Malaysia

Job Responsibility :

1. We are looking for a motivated fresh graduate or junior engineer who is interested in building hands-on experience in both SMT manufacturing and Quality Assurance.
2. This is a learning-focused role with exposure to the full electronics manufacturing process. You will be trained to operate and understand our SMT production line while also developing your knowledge in QA systems and processes.
3. As our company is working towards ISO 13485 certification, the selected candidate will also be given relevant QA training and will have the opportunity to be involved in developing and maintaining a quality system suitable for medical device manufacturing.
4. This role is suitable for someone who wants practical engineering experience instead of being limited to only one area.

Job Requirements and Qualifications :

1. Interest in both QA and SMT

Benefits :

✓ **Good learning experience and growth opportunities**

Person-in-charge :

Name : Jason
Contact No. : +65-8186 8867
Email : jason.goh@tc-precision.com

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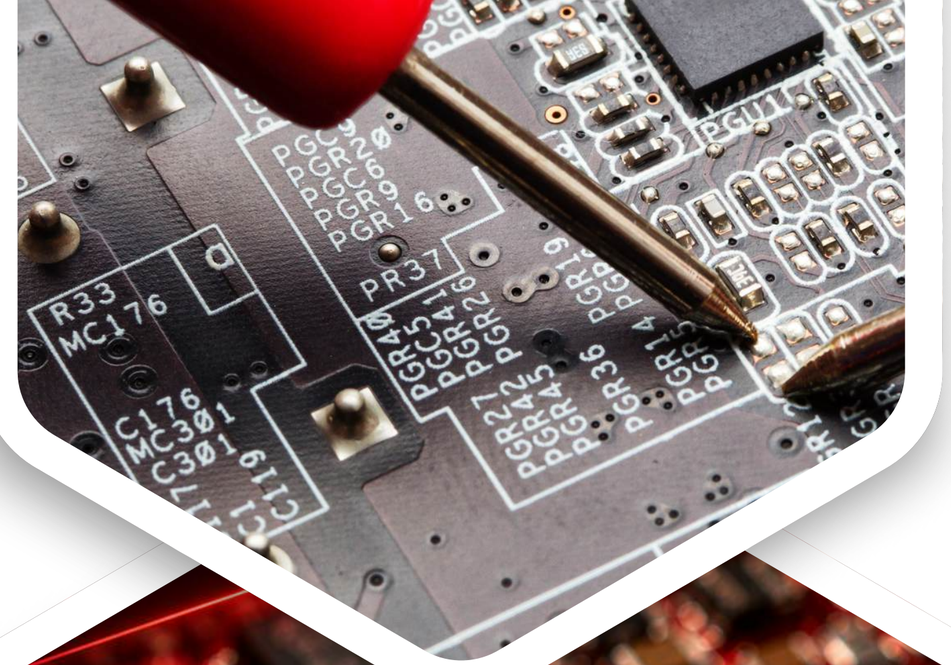
Precision

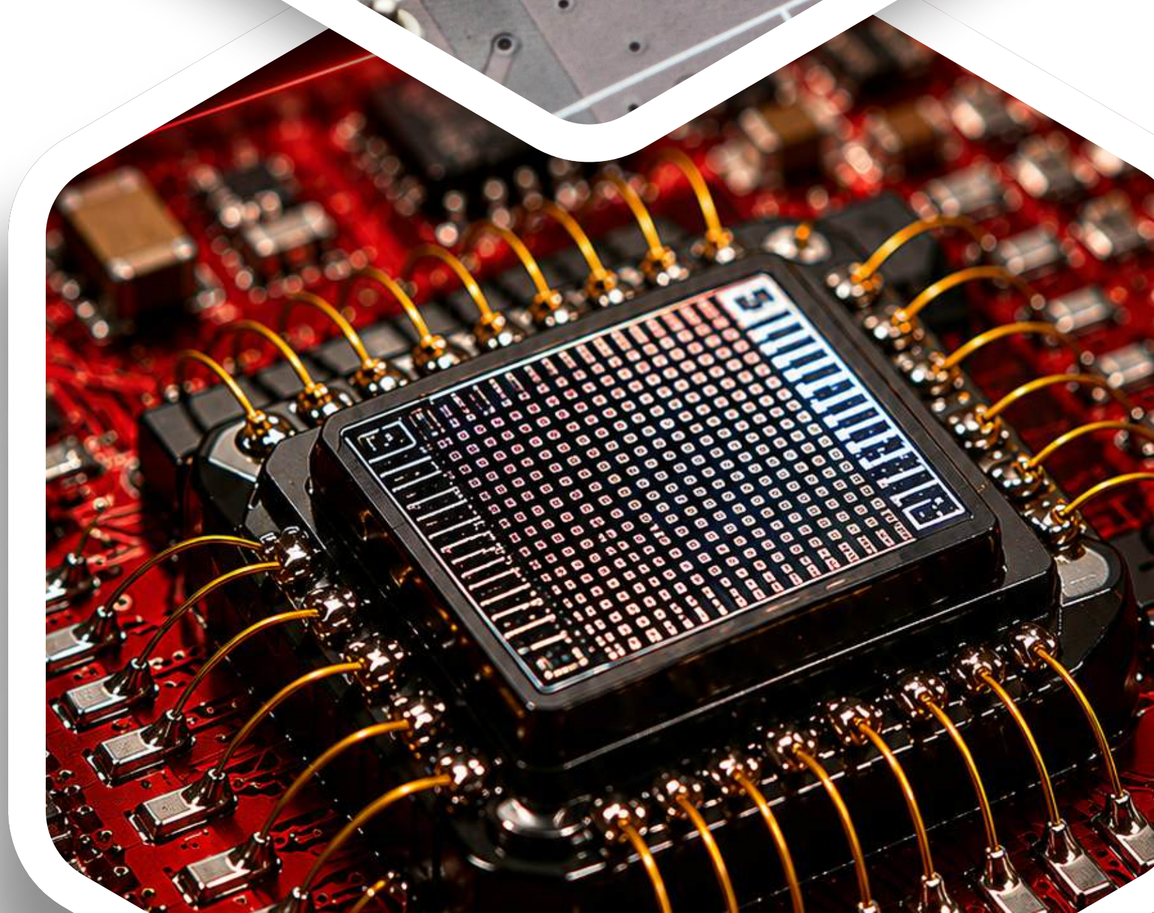
Since 2003

PRECISION BUILT IN

PARTNERSHIP BUILT ON

PCBA | COB Bonding | Conformal Coating | Box Build





Presented By:
Jason Goh

Website:
tcprecision.co

COMPANY OVERVIEW

- Established in 2003
- Singapore-based EMS Company
- Full-suite Turnkey Solution
- Specialised in COB Bonding & Conformal Coating
- Serving clients globally

20+	ISO:9001	High Mix	Rapid
Years of Experience	Certified	Mid - Low Volume	Prototyping

TC Precision

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INTRODUCTION

Goh Yak Heng

Managing Director

ABOUT US

Founded in 2003, TC Precision is a Singapore-based EMS company specialising in **PCB Assembly, Chip-on-Board (COB) bonding and conformal coating**. We support customers from prototyping through to production with responsive local engineering and manufacturing support.

OUR MISSION

Our mission is to help customers transform ideas into products through **reliable manufacturing, engineering collaboration and responsive local support.**

WHY TC PRECISION?

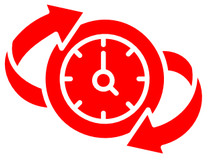
TC
Precision

FAST RESPONSE

Quick quotations
and communication

SINGAPORE-BASED

Local engineering
support you can rely on



RAPID TURNAROUND

Fast prototype to pilot
build

FLEXIBLE QUANTITIES

Low to medium
volume production

HIGH MIX SPECIALIST

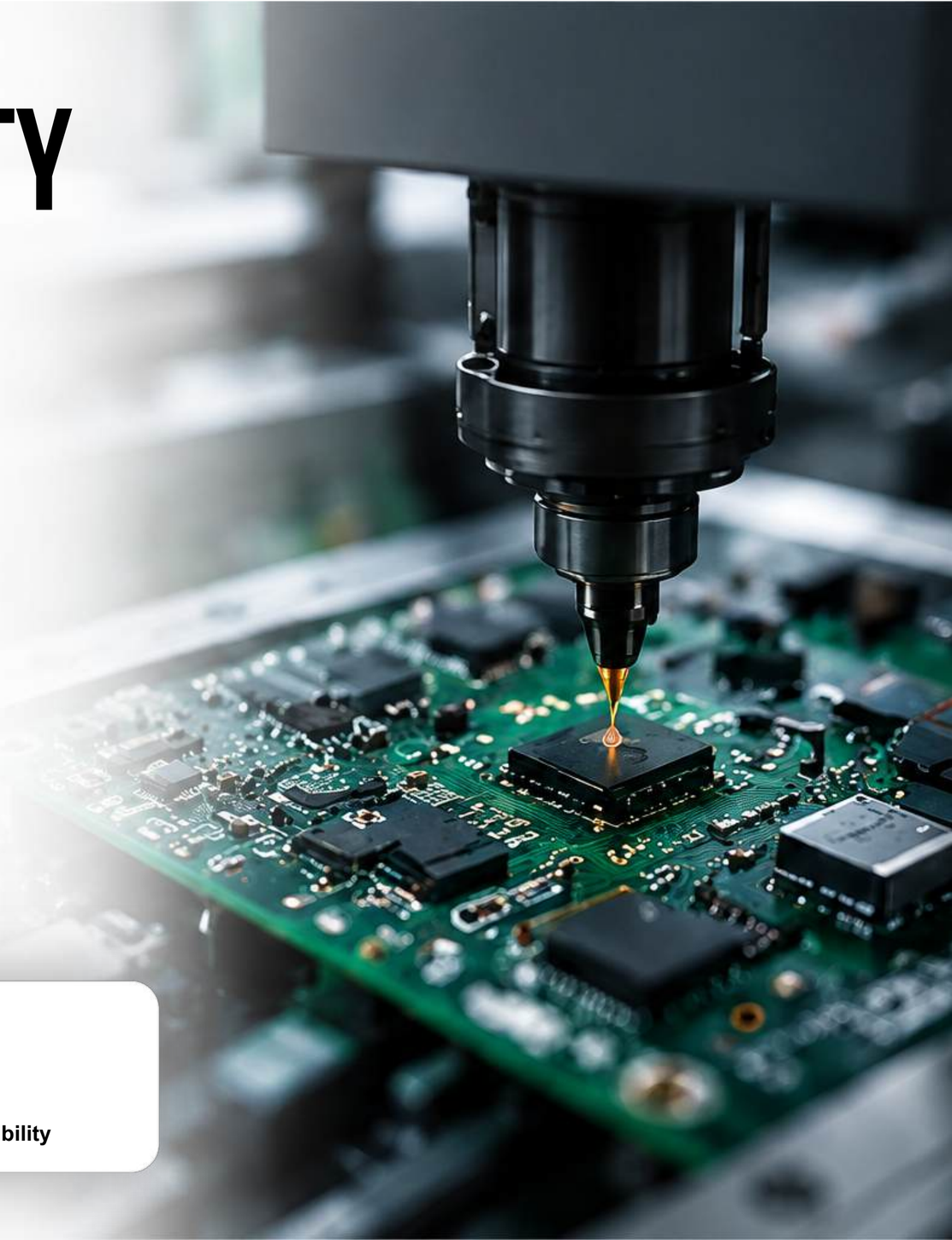
Agile for diverse
product needs

ENGINEERING SUPPORT

Work with you at
every stage

PCB ASSEMBLY CAPABILITY

- Wire Harness
- SMT Assembly
- Manual Solder
- Lead-Free Process
- Prototype to Mass Production
- Functional Testing Support
- Box Build



Fast RFQ Response

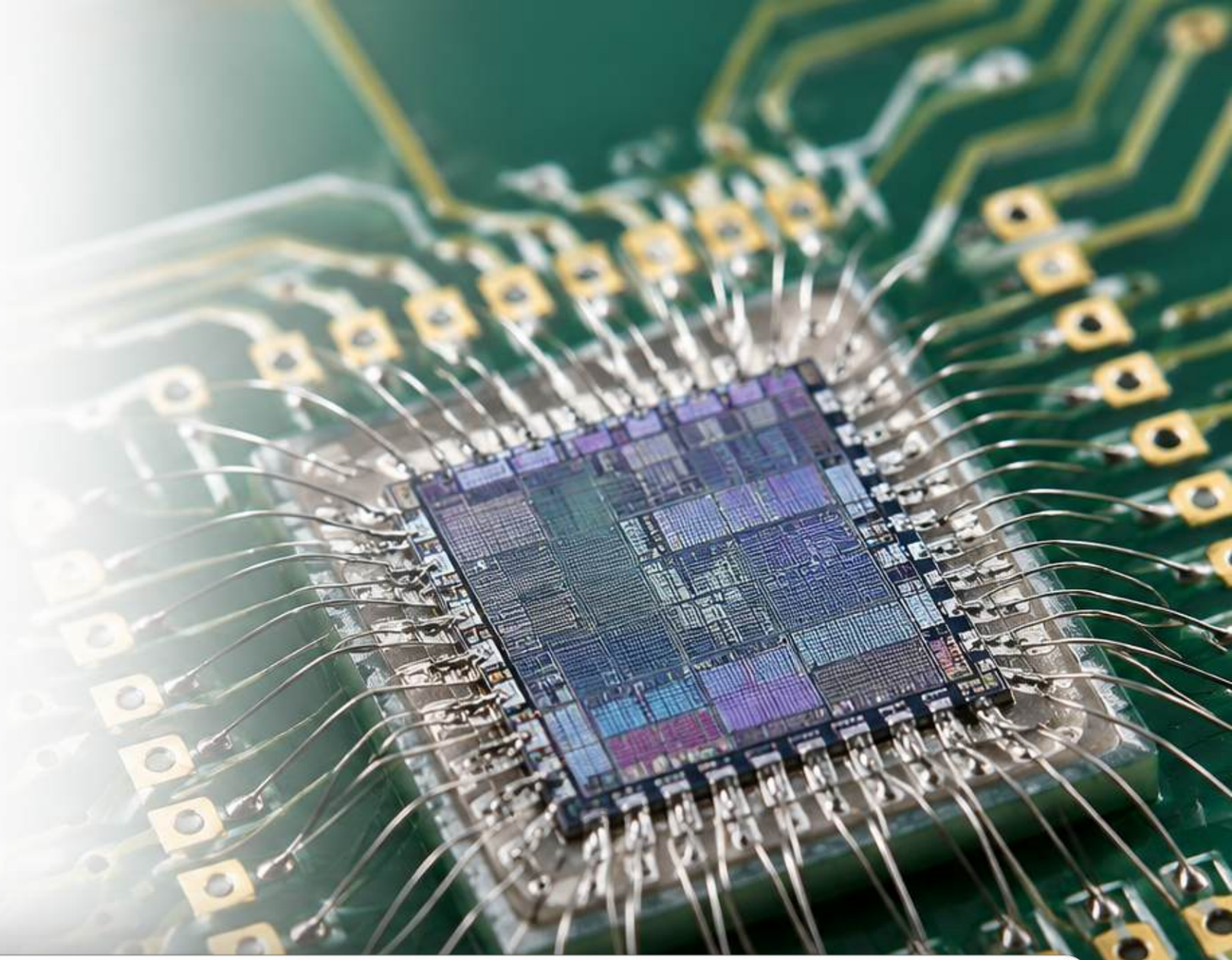
Low MOQ

Engineering Flexibility

OUR SPECIALITY

COB BONDING

- Chip-on-board bonding with high precision
- Aluminium wire bonding
- Space-saving & high density
- Cost effective option



Ideal for miniaturised and high-performance applications

Medical Devices

Sensors

Consumer Electronics

Industrial Electronics

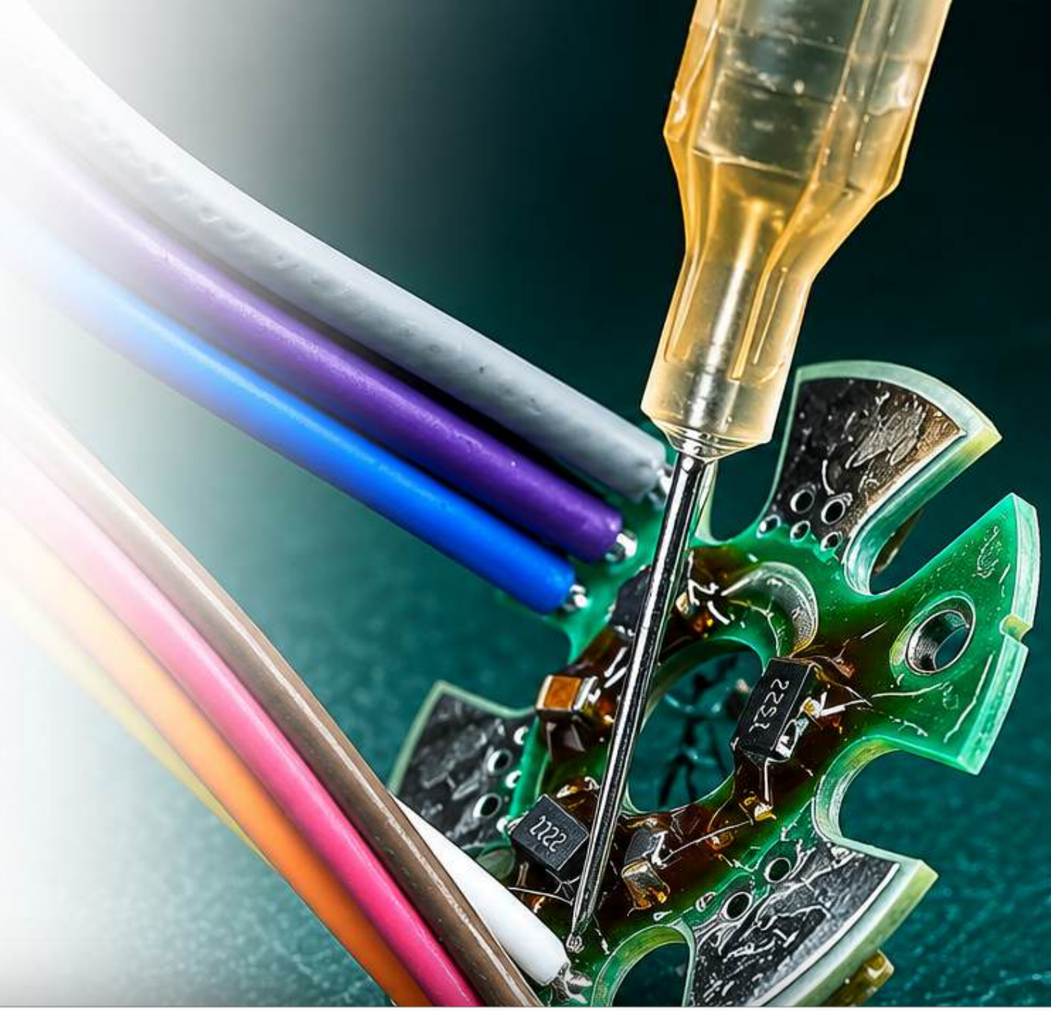
Automotive

IoT Devices

OUR SPECIALITY

CONFORMAL COATING

- Protect against dust, moisture, chemical & corrosion
- Acrylic, Silicone, Polyurethane, & Parylene options
- Selective/Full coating
- Improves reliability & product lifecycle



For harsh and demanding environment and usage

Medical Devices | Sensors | Outdoor Electronics | Marine Electronics | Automotive | Aerospace

TC
Precision

OUR SOLUTIONS

1 COB BONDER

Our COB (Chip-on-Board) bonding service specialises in the precise bonding of IC chips directly onto printed circuit boards, ensuring high reliability and performance.

2 CHIP SHOOTER

Our Chip Shooter machine offers precise assembly of components onto PCBs, utilising advanced automation for high efficiency and consistent quality.

3 IC MOUNTER

Our IC Mounter machine offers precise assembly of components onto PCBs, utilising advanced automation for high efficiency and consistent quality.

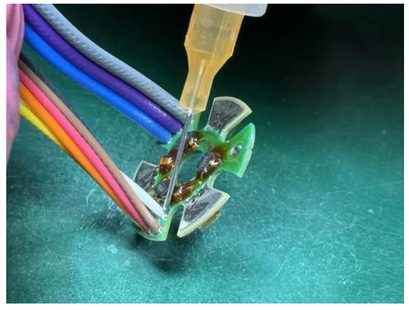
4 REFLOW OVEN

Our reflow oven service specialises in the precise soldering of surface-mounted components onto printed circuit boards (PCBs), ensuring reliable and consistent solder joints for high-quality electronic assemblies.

5 AUTOMATIC DISPENSING MACHINE

Our automatic dispensing machine service specialises in the precise application of adhesives and materials onto printed circuit boards (PCBs, delivering tailored dispensing solutions that enhance the efficiency and quality of your electronic

6 CONFORMAL COATING



We offer conformal coating as part of our protective solutions for PCBs. This specialised dielectric layer safeguards your electronic assemblies from moisture, contaminants, and electrical interference, ensuring they remain reliable and perform optimally in even the most challenging environments.

TC
Precision

OUR CUSTOMERS

OLYMPUS
Your Vision, Our Future

Portescap

Honeywell
THE POWER OF CONNECTED

Husqvarna
VIKING

PFAFF® Industrial

Since 2003

TC
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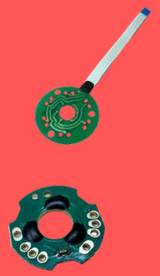
SAMPLE PROJECTS

Box Build Assembly

Machine Display & Motherboard

PCB Encoder Board



Others

Since 2003

TC Precision

OUR APPLICATIONS

Medical

Biopsy Systems

Mechanical Circulatory Support Devices

Imaging

Robotics

Surgical Robotics

Aerospace & Defence

Defence System

Since 2003

SAMPLE PROJECT

ADVANCE ROBOTIC SURGICAL SYSTEM

Our encoder PCB assembly enables ultra-precise motion control for advanced robotic assisted surgery

Encoder PCB

SAMPLE PROJECT

HOSPITAL GRADE DIALYSIS MACHINE

Our custom encoder PCB supports precise position sensing within a dialysis system, helping ensure reliable pump and valve control for accurate fluid management during treatment

Encoder PCB

SAMPLE PROJECT

MEDICAL IMAGING MACHINE

Our BLDC encoder PCB provides precise position sensing, helping medical imaging systems achieve smooth motion, accurate positioning and reliable performance

BLDC Encoder PCB

SAMPLE PROJECT

RESPIRATORY AND VENTILATION MACHINE

Our custom BLDC encoder PCB enables accurate motor feedback for ventilation systems, supporting precise airflow delivery and stable respiratory assistance

SAMPLE PROJECT

EXOSKELETON STRUCTURE

Our custom BLDC encoder PCB delivers precise motor position feedback, enabling smooth joint movement, accurate motion control and reliable performance for wearable exoskeleton systems

TC
Precision

OUR CERTIFICATES

TC Precision
Pte Ltd

CERTIFICATE
OF REGISTRATION

Certificate No. 744045

The Quality Management Systems of

TC Precision Pte Ltd

2 Ang Mo Kio Street 64 Econ Building #02-03
Ang Mo Kio Industrial Park 3 Singapore 569084

has been audited and found to conform to

ISO 9001:2015

for the following activities

Trading of Electronics, Mechanical Parts and Components (Connectors, Terminals, Wire Harness, PCB and Tapes)

Date of Issue:	Date of Expiry:	Initial Certification:
16 April 2023	15 April 2026	16 April 2023

Guardian Independent Certification Pte Ltd
10 Ubi Crescent #04-24 Ubi Techpark Singapore 408564
Accredited by Member of the IAF MLA

GICG - ENABLING TRUST IN A CHANGING WORLD

ISO 9001: 2015

Qbonics Sdn
Bhd

CERTIFICATE

N. MY23-33519A

This is to certify that the Quality Management System of

QBONIC (M) Sdn Bhd
No. 22, Jalan Temenggong, Kawasan Perindustrian Temenggong
81200 Johor Darul Takzim – MALAYSIA

HAS BEEN INDEPENDENTLY ASSESSED AND IS COMPLIANT WITH THE REQUIREMENTS OF

ISO 9001:2015

for the following scope of activities:

Assembly of electronic components of electrical, electronic and related industries.

IAF 19

For timely and up-to-date information on any changes in the status of the certification referred to in this certificate, please contact the number +39 0296368458 or the e-mail address info@axe-register.com

The validity of this certificate is subject to annual periodic surveillance and the complete review of the organization's management system every three years.

Date of initial registration	23/02/2024
Date of this certificate	2[illegible]/2/2024
Date of expiry	[illegible] 2/2027

On Behalf of the Certification Body
Technical Director

AXE REGISTER
Piazza Unità d'Italia, 5 - 20147 Saronno (VA) | ITALY
T. +39 02-96368458 | E [illegible] www.axe-register.com

ISO 9001: 2015

TC
Precision

Since 2003

THANK YOU

FOR YOUR ATTENTION

Company Contact

Phone Number:
+65 8186 8867

Location:
No. 2 Ang Mo Kio Street 64, Econ Building, #02-03, Ang Mo Kio, Singapore 569084

Website:
tcprecision.co

Email Address:
jason.goh@tc-precision.com