

# Unlock the Possibilities of Our European Technical Centre of Excellence

[Talk to an Engineer](#)



## What Can It Do for You?

1

### Facilitate Technical Cleanliness

Testing that provides data-driven insights for assemblies, components and processes so you can make informed decisions about your technical cleanliness.



Measure particles down to 25 microns.



Rigorously test assemblies, components and processes.



Accurately test components to VDA 19 and ISO 16232.



Ensure full compliance with ZVEI: Technical Cleanliness in Electrical Engineering.

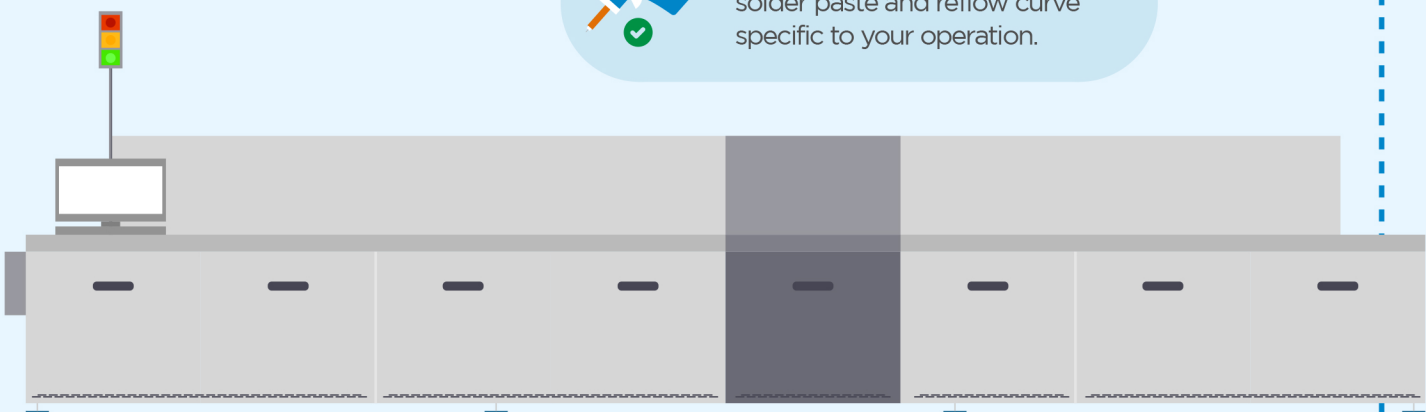
2

### Ensure Maximum SMT Fastener Performance

Our SMT reflow oven can be used to:



Validate performance with a solder paste and reflow curve specific to your operation.



Check performance of our fasteners using your solder paste.



Test solder reflow issues to quickly and accurately identify root causes.

3

### Accurately Measure Ingress Protection Leak Rate

We have two state-of-the-art machines on-site designed to accurately measure IP levels and leak rates.



#### Ingress Protection (IP) Testing

Provides reassurance (on a pass/fail basis) that components meet specific standards for IP67 and IP68.



#### Helium Leak Testing

Uses a standard or bespoke panel to ensure your fasteners meet specified ingress protection requirements.

4

### World-Leading Electrical Performance Testing

Access a range of eConnect™ services from the world leaders in electrical connectivity, conductivity and performance testing. Our team of senior engineers are on hand to provide trusted, expert advice and electrical testing when required.



#### What you'll find at our Technical Centre of Excellence:

- ⚡ Electrical Resistance Metre (Low-Level Ohmmeter)
- ⚡ 3000-AMP Programmable Power Source
- ⚡ 100-AMP Current Source
- ⚡ 1000 Volts Insulation Tester
- ⚡ 4-wire Micro Ohmmeter
- ⚡ Shock and Vibe Test Table

## Proven Mechanical Performance Testing



#### 5 Kilonewton Tensile Testing Machine

Tests tensile performance of the micro product range and electrical contact functionality.



#### 100 Kilonewton Tensile Testing Machine

Provides dedicated tensile testing of PEM® core products to ensure all requirements are met.

## Excellence is at the Centre of What We Do

To unleash the full potential of your design, talk to one of our experts about your requirements and find out how partnering with PEM® can revolutionise your products.

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