

# TWM Technology Ltd.

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[www.twmtech.co.uk](http://www.twmtech.co.uk)



# • Welcome to • TWM Technology Ltd.

We are a UK, privately owned, manufacturer with over 30 years experience in the industry, highly skilled at producing high quality, specialist electronics housings for RF Microwaves and optoelectronics applications through bespoke machining, plating and assembly.





# TWM in numbers

**Over 30 years'  
Experience**

**Business began in  
1991**

**100% Privately  
UK owned**

# Markets

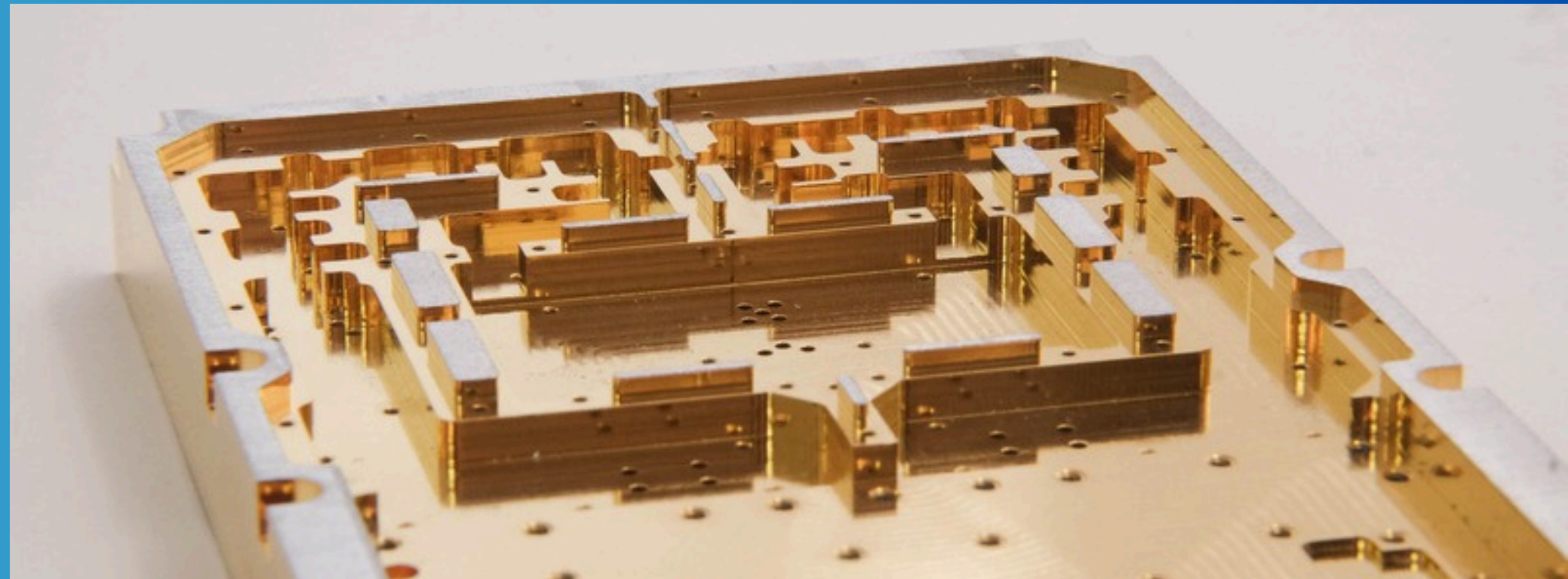
Modern Microelectronic solutions continually require many special designs of packages to meet the ever-increasing performance demands. TWM provide the complete package according to your bespoke requirements, for a range of markets.





# UK Manufacturing

- In our fully-equipped workshop, we can craft almost anything from metal, plastic, or engineering foam.
- In house plating
- Assembly



# Materials

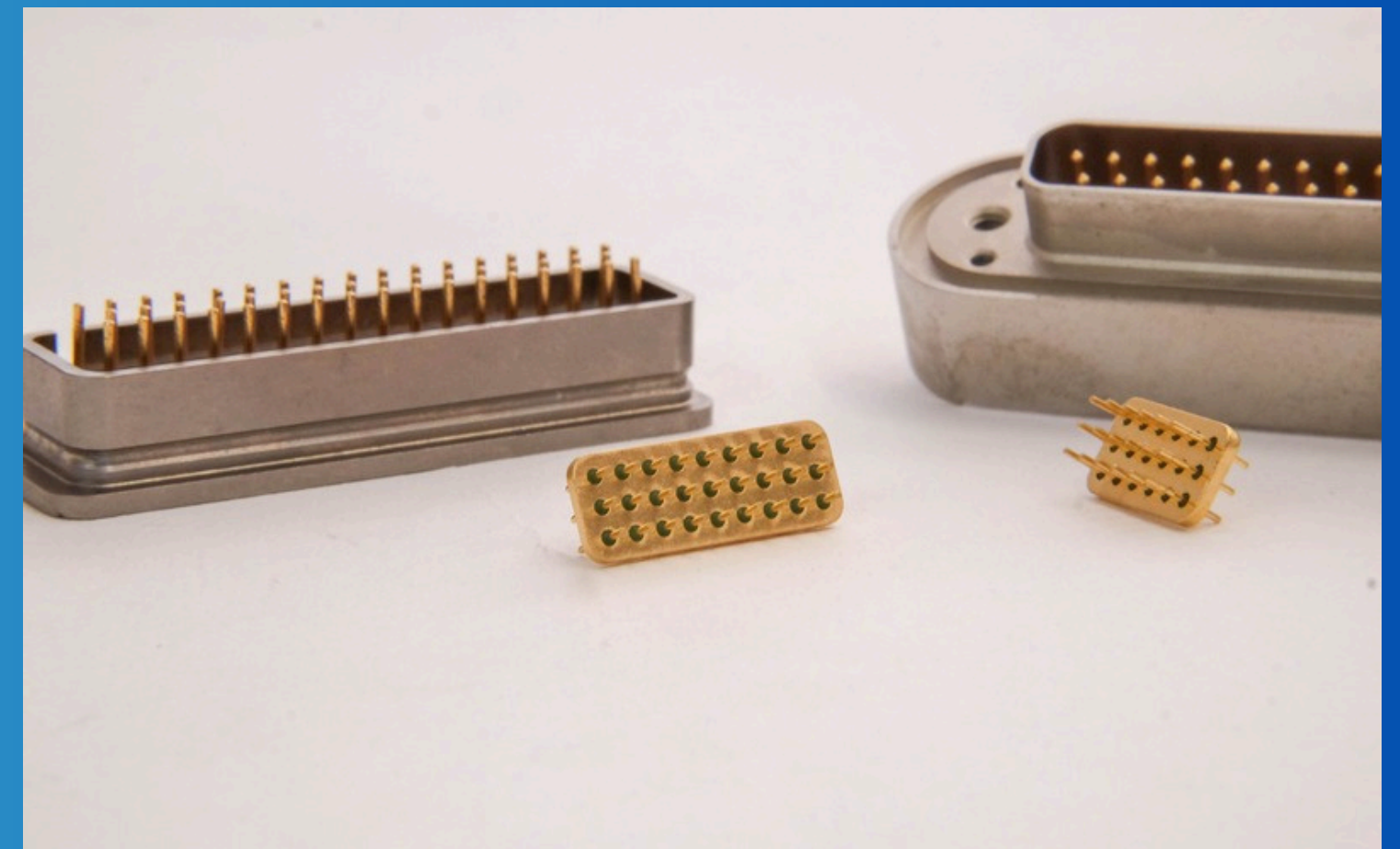
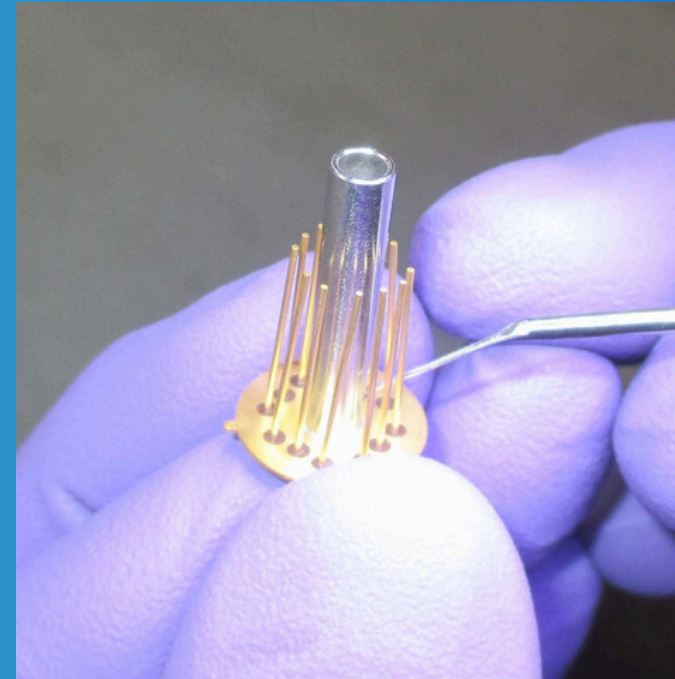
- Aluminium
- Steel
- Nickel
- Iron Alloy
- Brass
- Copper
- Copper Tungsten
- Kovar
- Plastics e.g. PTFE & Nylon





# Products & Packages

- Bespoke Housings
- Sealed and Glass Packages
- Microwave Housings
- Hybrid Packages
- Power Packages
- Connectors and Feedthroughs



# Assembly Capabilities available

- Class 7 Cleanroom
- Microscopy and Analysis
- Scanning Electron Microscope (SEM)
- Bond Testing
- Vision Measuring System (VMS)
- Plasma Cleaning & Etching
- Device Packaging
- Environmental Simulation and Product Storage





**High quality, high  
reliability, bespoke  
parts  
Machined and plated  
in-house**

**Experience with  
Aerospace/Defence  
Supply Requirements**

**Hi temperature RF  
solder assembly  
Feedthroughs –  
Connectors**

**Range of  
glass/metal seals –  
connectors –  
glass/metal and  
ceramic hermetic  
opto and hybrid  
 housings**

**X-Ray capability  
CT scan  
capability**

# ● ● ● X Ray inspection

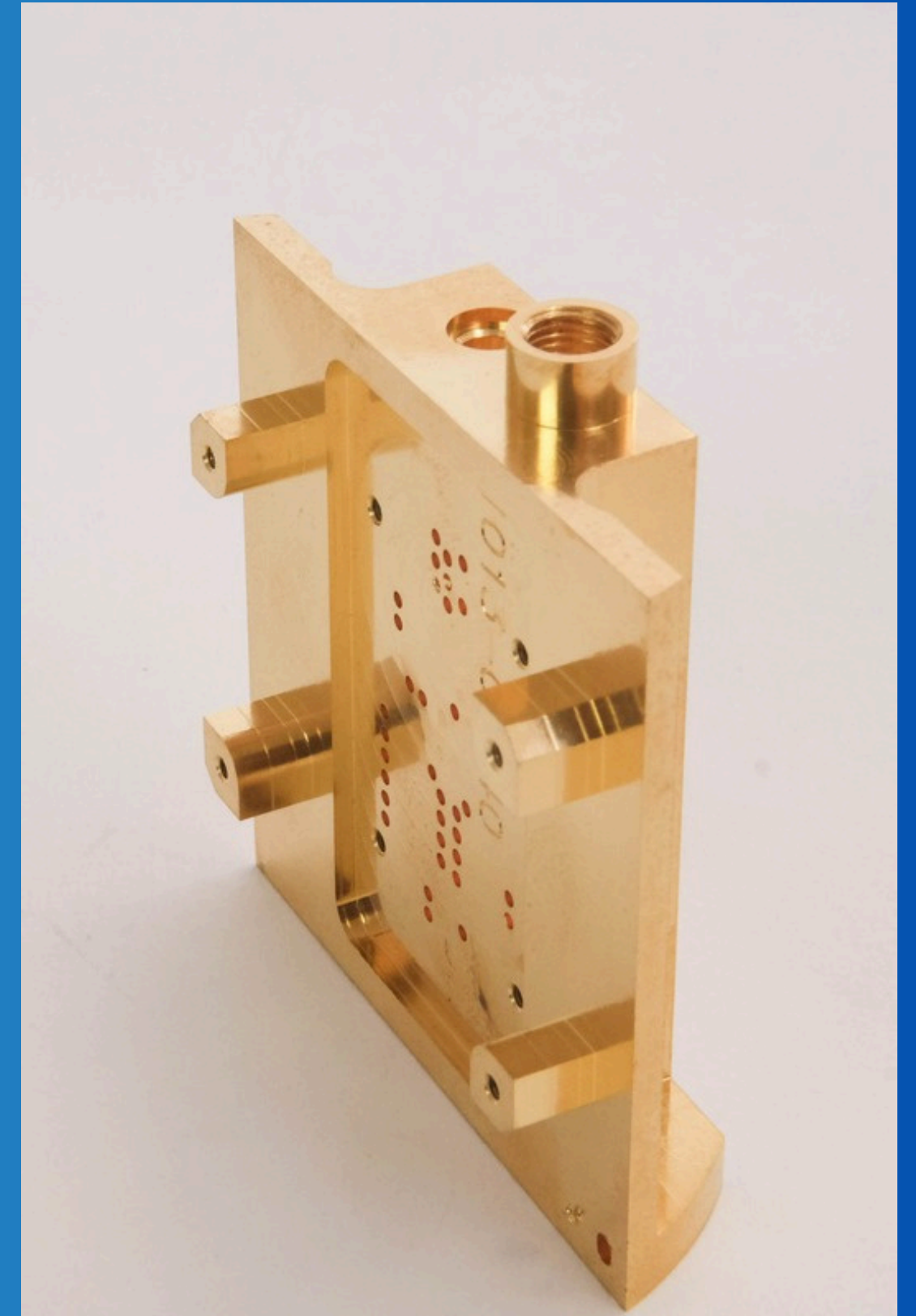
Having access to a X-Ray machine (a highly capable Nikon XTV 160) we are providing our customers with X-Ray and CT scans of specific solder joints and class leading non-destructive inspection. Not just to aid concentricity, but in the quest for well-grounded connectors and void free solder joints.



# ● In-house Plating

TWM carries out its own plating in house offering a variety of nickels and golds suitable for many electronic applications, we also offer Surtec 650 in house which is popular with more mechanical parts. Having our own plating line means we control it and everything that goes through the tanks – tight controls enable us to offer very high-quality finishes which are essential.

Lead times are quick, and any rework or remedy is done immediately.





# ⋮ Approvals, registrations & memberships

- ISO 14001
- Cyber Essentials certified
- Joscar registered
- Members of MAKE UK
- Members of WEAF

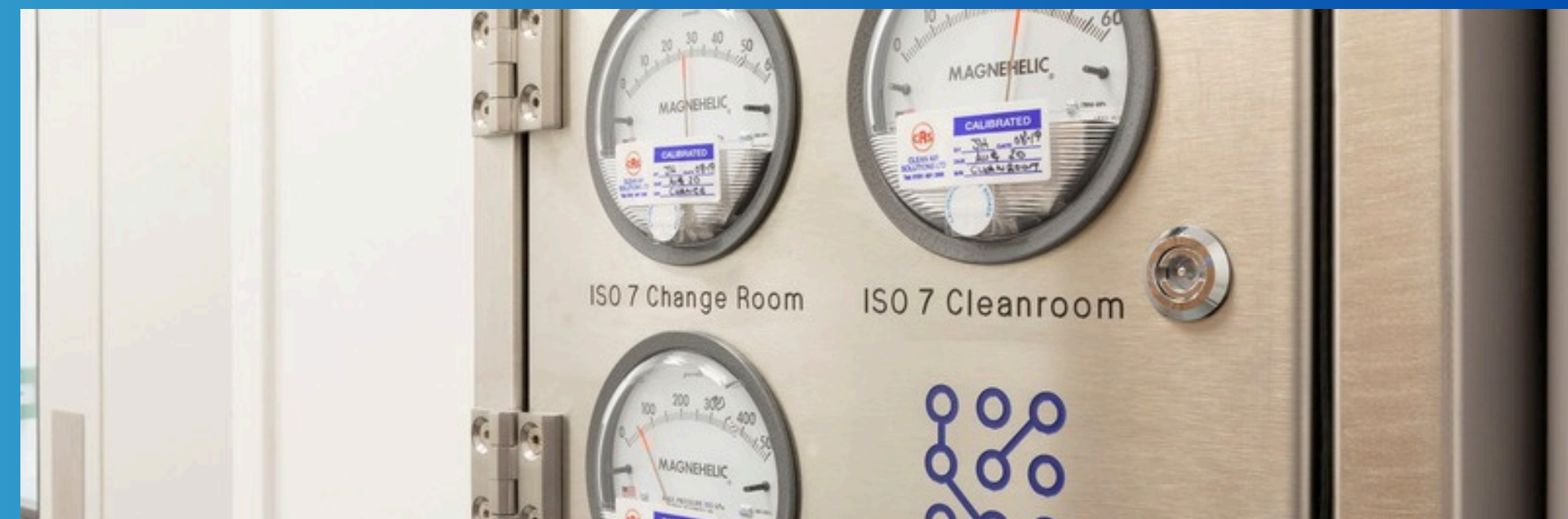


# Quality

TWM operates a Quality Management System approved to ISO 9001:2015.

The inspection department is well-equipped and is staffed by an experienced and efficient team.

Full first article inspection reports and batch trace-ability are available on request.



# Why Choose TWM?

- Privately Owned UK Manufacturer
  - High-quality bespoke metal housings designed to your specification
- Industry Expertise
  - Serving defence, aerospace, and other industries
- UK-Based Support
  - Dedicated engineers, sales, and customer service teams
  - Expert guidance at every stage
- Commitment to Quality & Compliance
  - Cyber Essentials approved
  - JOSCAR registered





# Get in Touch

Contact us for more information



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