

Sylatech | A Leader in CNC Machining



## CNC Machining Capability

At Sylatech we have a comprehensive CNC machining facility with an in-house team of skilled programmers and operators.

Our AS9100 certification allows us to be a key supplier to the Space, Aerospace and Defence Industries and other sectors requiring precision machining solutions.

In close association with FANUC our machining capability is developing integrated robotic CNC machining. This affords Sylatech a 24 hour machining capacity.

Sylatech offers our customers a quality-led, cost-effective precision machining solution within a matter of days.

## Specialists in RF/Microwave

- ▶ Microwave Systems
- ▶ Custom Design
- ▶ Sub-Systems
- ▶ Components
- ▶ Assemblies

## Our CNC machining capability

- ▶ Nine 4-axis and one 5-axis FANUC 24,000 rpm Robodrill machining centres
- ▶ 4 x CNC Mazaks
- ▶ 3 x CNC lathes
- ▶ Wire & CNC EDM
- ▶ 2 x CMM

# Sylatech's RF CNC Machining Solution

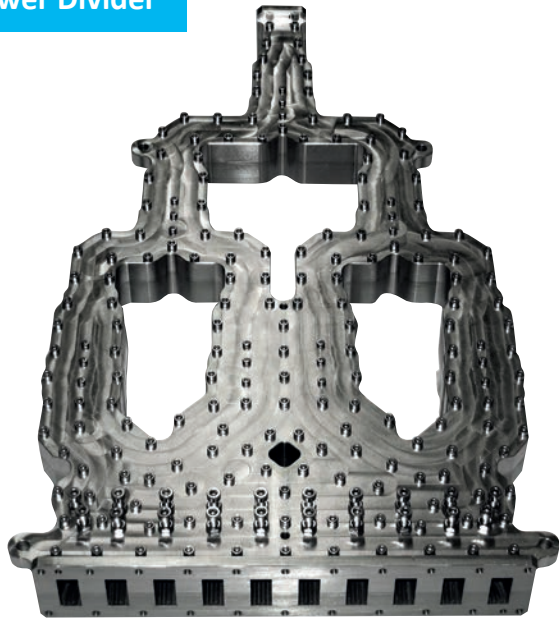
## Customer Benefits

- ▶ Access to highly qualified mechanical and electrical microwave engineers
- ▶ Comprehensive design & manufacture capability
- ▶ Full electrical testing
- ▶ One-stop manufacturing partner affording supplier consolidation
- ▶ Certified to AS9100

- > Highly skilled team of programmers utilising Solidworks and MasterCam
- > Fully Integrated Renishaw Probing Systems across all Fanuc Robodrills
- > Optimisation of design through RF simulation software CST



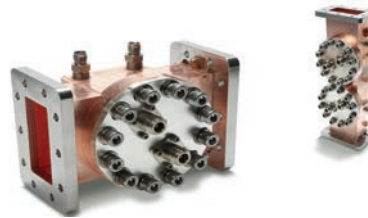
Power Divider



Waveguide Bends/Mitres



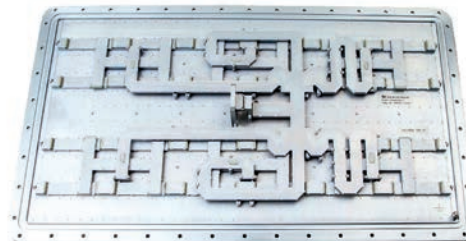
Loop Coupler



Power Combiner



Slotted Array Antenna



## Typical RF/Microwave Machined Components

POWER DIVIDERS/COMBINERS

SLOTTED ARRAY ANTENNA

MONPULSE COMPARATORS

LOADS & ATTENUATORS

FEEDHORNS & NETWORKS

WAVEGUIDE BENDS

ROTARY JOINTS

TRANSITIONS

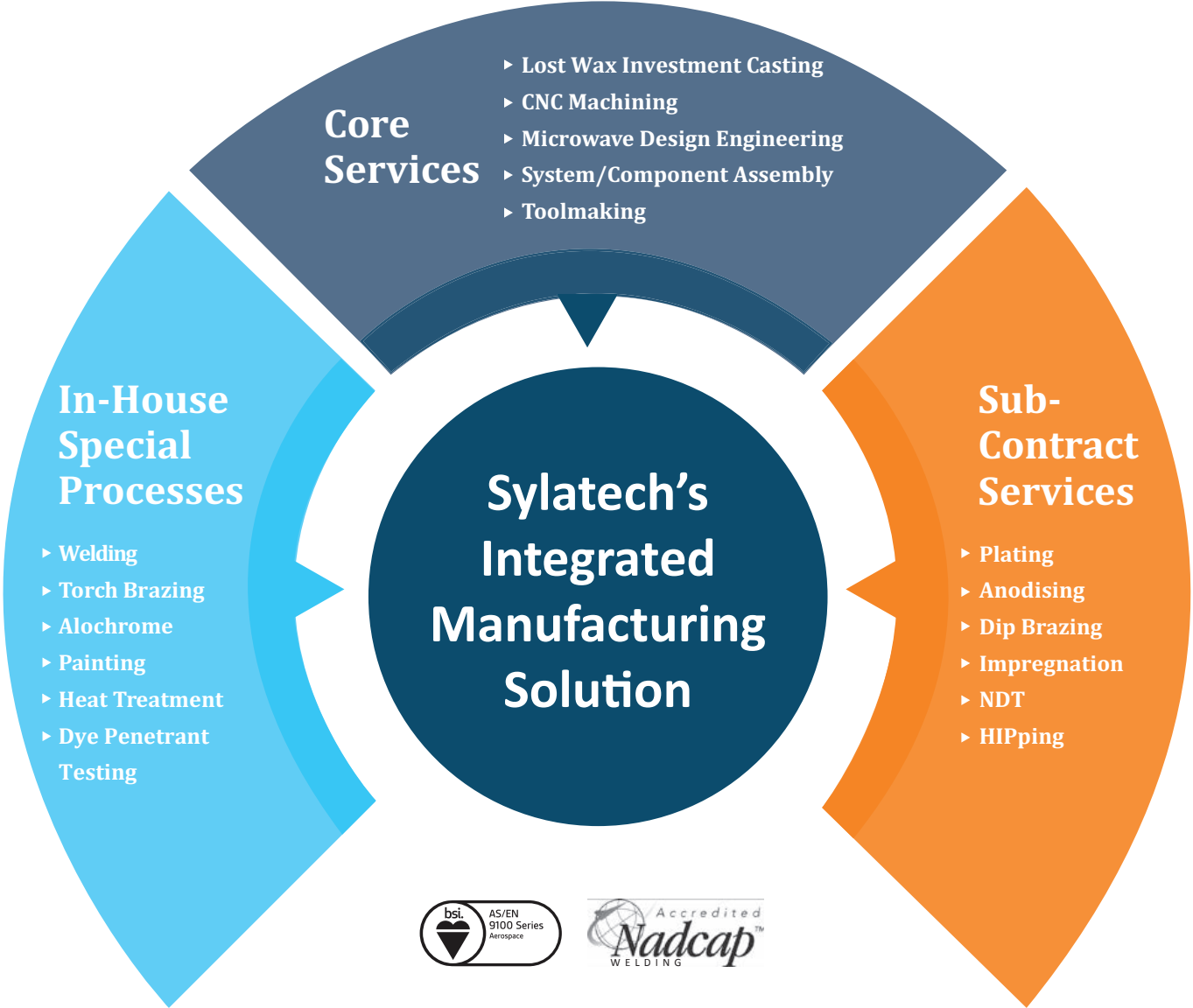
STUB TUNERS

COUPLERS

TWISTS

TEES

# Sylatech's Wider Capability Extends Beyond CNC Machining



## Core Sectors

- > Aerospace
- > Defence
- > Space
- > Sat Comm
- > Scientific & Research
- > Medical





# Which Solution Fits Your Requirement?

TYPICAL PART VOLUMES

**INVESTMENT CASTING**  
50 - 100,000 Components

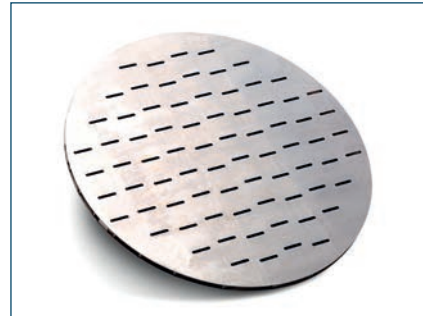
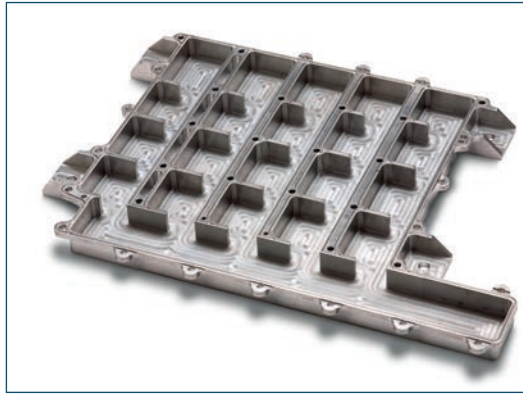
High

**CNC MACHINING**  
10 - 10,000 Components

Medium

**3D Printing**  
1 - 50 Components

Low



Engineering your future



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