

CTE ADVANCED TECHNOLOGIES

Fabricating

INCONEL 625

UNS N06625 · ALLOY 625 · 2.4856

Inconel 625, fabricated to your design — to the timelines and quality won in Formula 1, under APQP & PPAP.



WHAT WE FABRICATE

- ✓ Tube fabricated from sheet
- ✓ Precision CNC bends
- ✓ Hydroformed transitions
- ✓ Coded TIG-welded assemblies
- ✓ Heat-shielded systems
- ✓ Inspected & certified

HOW WE BUILD IT

Manufactured to your design

We build to your drawings and specification, with DFM input at the design stage — from prototype to series production.

Motorsport timelines & quality

Delivered to the schedules and tolerances demanded at the pinnacle of motorsport: Right First Time, On-Time.

APQP & PPAP production control

Governed by APQP planning and PPAP approval — control plans, inspection and full material traceability (MTR).

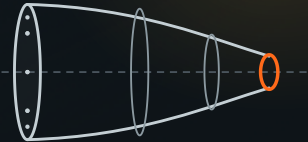
World-class Inconel 625, fabricated to your design



MOTORSPORT

Motorsport & hypercar exhaust

4-into-1 merge collectors and hydroformed systems for F1, IndyCar, rally-raid and hypercar OEM.



AEROSPACE & DEFENCE

Aircraft exhaust & ducting

Exhaust systems, ducting and thrust-reverser parts holding strength near 1000 °C.



POWER GENERATION

Hydroformed combustion transition liners

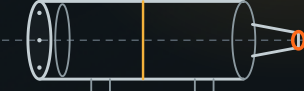
Hydroformed transition liners, spray bars and turbine shroud rings for gas-turbine hot sections.



PROCESS & ENERGY

Integrating expansion-joint bellows

Integrating EJMA / ASME bellows into systems for leak-tight flexibility under thermal growth.



DEFENCE & UAV

Drone exhausts & casings

UAV exhaust systems, ducts and structural casings, fabricated and welded to size — components up to 750 mm.



MARINE & DESALINATION

Heat exchangers & seawater systems

Tube and bend bundles, channel heads and seawater piping resisting pitting and crevice corrosion.

BUILT TO YOUR DESIGN, UNDER APQP & PPAP — EVERY PART CARRIES THE EVIDENCE

Coded TIG welding F1 & WRC audited, coded to your requirements	Pressure testing Air underwater & decay transducer, up to 7 bar	X-ray / RT & dye-pen Volumetric & surface NDT	CMM & 3D scanning Dimensional validation
CNC bend & hydroform Complex, repeatable geometry	Integrated machining Finished assemblies, not just parts	APQP / PPAP Control plans & MTR traceability	ISO 9001 & King's Award International Trade 2026

Bring us in at the design stage

Engage CTE at the design stage — we advise on geometry, formability, weldability and inspection before the drawing is frozen.

+44 (0)1296 483777
info@cte-adv-tech.com
Unit 6, Stocklake Park, Farmbrough Close, Aylesbury HP20 1DQ

Talk to our commercial team →

MATERIAL READOUT — INCONEL 625			
DESIGNATION	COMPOSITION	SERVICE RANGE	STANDARDS
UNS N06625 / Alloy 625	~58 Ni · 21 Cr · 9 Mo · Nb	−196 °C to ~980 °C	ASTM B443/B704 · AMS · NACE