

TRANSCAL ENGINEERING MANUFACTURING CAPABILITIES



TRANSCAL
ENGINEERING

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TRANSCAL ENGINEERING Ltd

Summary

In March 2023, Transcal Engineering Ltd has successfully been accredited to the German Military Welding Standard. DIN 2303 Q2 BK1 accreditation broadens Transcal Engineering's range of manufacturing capabilities, building on the back of our successful history with ISO 3834-2 & EN 15085-2. We are now approved and technically capable of delivering welded components with general & special requirements for German Military Vehicles.

Manufacturing Accreditations

ISO 9001:2015

ISO 3834-2

EN 15085-2

DIN 2303 Q2 BK1

JOSCAR Registered

CYBER ESSENTIALS PLUS



Manufacturing Capabilities

Materials

At Transcal we hold a vast range of stock plate material in our facility in Pershore, UK, to meet our customer's needs. Our relationship with the major material suppliers in the UK & Europe allows us to respond quickly to our customers' requirements using some of the best materials on the market. All materials supplied come with a Mill test certificate(MTC) to either 2.1, 3.1 or 3.2(EN 10204), depending on the specific requirements.

Material Manufacturing Experience

Armour Plate

Ramor 550, Secure, Armox 500T, Armox 440T, Armox 370T, Compass B555

135 MAG Welding – ARMOX 500T – 1.5mm-13.0mm

141 TIG Welding – ARMOX 500T Welded to S355 – 3.0mm-10.0mm

High Strength Steel

STRENX 700 MC, STRQT S690,SQL, QL1, Quenched and Tempered, S355MC, S420MC, S500MC

Carbon Steel

Aluminium

5083, 5059, 6082, 7010, 7017, 7018, 7020, 7085.

141 TIG Welding – 5059 – >24mm

Pershire, UK Facility

Welding

FANUC Robot/ Kemppi A7 MIG 450

18 Weld Bays

32 Welding Plant MIG/MAG & TIG

(Lorch Micor MIG 400 & Miller Dynasty 400)

3 Weld Bays(5.8m x 4m) with 5,000Kg Overhead Crane Access

Material Handling

Stahl- AG210/186-ST 5,000Kg Overhead Crane, Electric hoist

Fork Lift- Nissan 2,800 Kg Lifting Capacity

Fork Lift- Nissan 2,500 Kg Lifting Capacity

Fork Lift- Doosan 2,000 Kg Lifting Capacity

Pallet Stacker- Toyota HSE100 1,000 Kg Lifting Capacity

Brake Press up to 220 Tonne

Amada HFE M2

Amada HFT 170-3/4

Amada HFE1150-12/4

Amada HF3EII170-3/8/L

Punch Press

Prima Finn Power F5-25 SB/AM

Laser

Trumpf True Laser 3030 3Kw – Bed size 3000mm x 1500mm

16mm mild Steel & Armour | 8mm Aluminium | 10mm Stainless Steel

Trumpf True Laser 3030 6Kw – Bed size 3000mm x 1500mm

25mm mild Steel & Armour | 16mm Aluminium | 20mm Stainless Steel

Paint Shop

Pre-treatment Tanks (3600mm L x 900mm W x 2000mm D)

Surtec 650 | Phosphate

Powder Coat Line & Wet Spray Line

3 Booths (1 Powder Coat, 2 Wet Spray)

Overhead Crane access - Stahl 500Kg