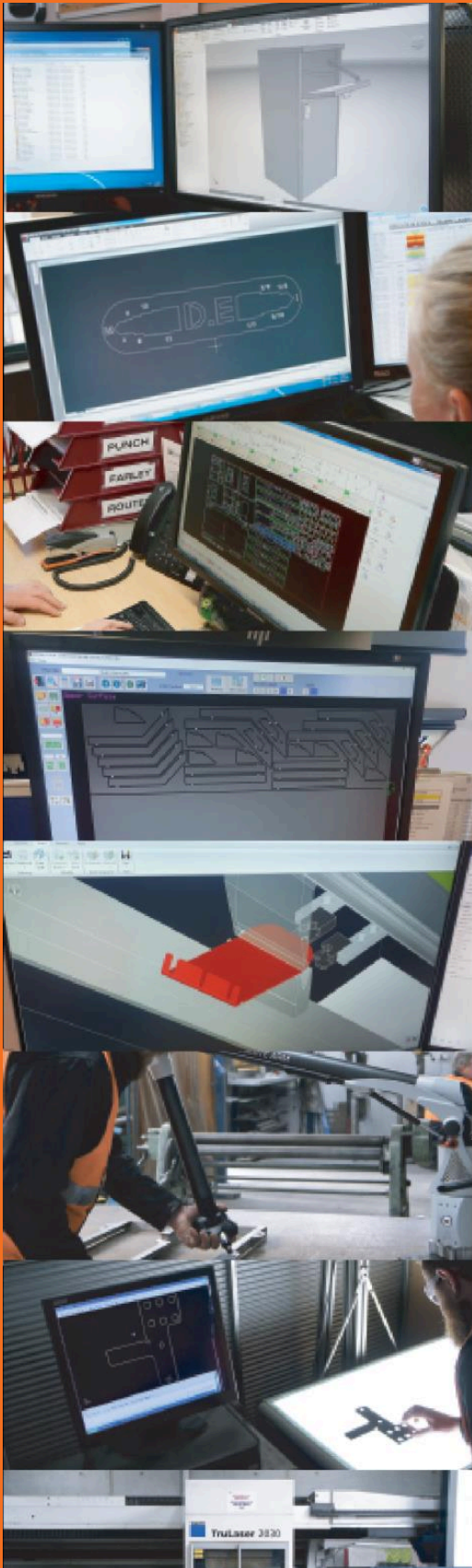




DESIGN & SOFTWARE

- **Autodesk Inventor** for all 3D design, drawings and production changes
- **Autodesk AutoCAD Mechanical** for 2D drawings and data transfer to CNC software
- **Trumpf TruTops Boost** for NC programming of the laser and punch
- **JETCAM** for NC programming of the router
- **SigmaNEST** for NC programming of the waterjet
- **Autopol** for NC programming of the press brakes

INSPECTION & QUALITY

- **Romer Absolute Arm 7325**: 3D measurement, quality control and reverse engineering. A certificate of conformance can be supplied.
- **InspecVision Planar**: 2D measurement, quality control and reverse engineering

MACHINERY

- **Trumpf L2030 CNC laser**: mild steel up to 20mm, stainless steel 12mm, galvanised steel 3mm and titanium 5mm
- **Trumpf TC5000 CNC turret punch**: aluminium up to 8mm, stainless steel 4mm, mild steel 8mm and galvanised steel 3mm, including louvers, embossing and threaded extrusions
- **MACH 500 waterjet** with 5-axis cutting head: all materials up to 250mm thick, with advanced bevelling and 3D cutting, and no heat-affected zone
- **Multicam CNC router**: materials up to 100mm thick, including aluminium, copper, brass, timber, acrylics, polyethylene, polycarbonate, aluminium composite and rubber
- **Trumpf V1300 and SafanDarley E 40-1600 CNC press brakes**: folding all material types up to 20mm, with adaptive measuring for repeatable accuracy
- **Timesavers 42 RB 1350 deburrer**: deburring and edge rounding of laser-cut, punched and machined parts
- **Fronius TPS 400i welders** across fabrication

MANUFACTURING CAPABILITIES



SURFACE FINISHING

- **Chemical dip tanks:** four-stage phosphate preparation line
- **Abrasive blasting:** Burwell full-reclaim blasting system
- **Powder coating:** complete plant with quick-change application booth and curing oven
- **Wet painting:** Seetal paint booth, including finishes to defence requirements
- **Electropolishing:** in-house mepBLITz DC-i5 for a bright, clean, corrosion-resistant finish on stainless steel

WELDING

- MIG (131), MAG (135) and TIG (141) welding
- Carbon steels, stainless steels and aluminium alloys (ISO/TR 15608 groups 1.1, 1.2, 8.1, 22 and 23.1)
- Certified to **ISO 3834-2** (DVS ZERT) and **DIN 2303 Q2 BK1** for military products (GSI SLV Hannover)
- International Welding Engineer (IWE), International Welding Specialist (IWS) and International Welding Inspector (IWI) on site
- Welding to AS/NZS 1554, AS 1665, ISO 15614-1 and ISO 9606-1 as specified

END-TO-END UNDER ONE ROOF

Design, programming, cutting, folding, punching, welding, finishing, inspection and assembly are all managed in-house, giving strong quality control and short lead times for defence, mining, transport, medical, marine, industrial, agriculture and electrical customers.



ISO 9001:2015 quality · FS 632252

ISO 14001:2015 environment · EMS 632251

ISO 45001:2018 work health & safety · OHS 632253

ISO 3834-2 fusion welding · **DIN 2303 Q2 BK1** military products

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