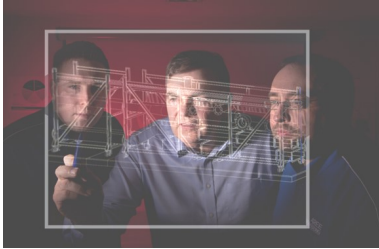




**McAREE**  
ENGINEERING

**V-MAC**  
COATING  
SOLUTIONS

McAree Engineering are one of Irelands leading Outsource Sheet Metal Fabrication companies. Employing over 170 people across three sites in North Monaghan, we offer a complete metal design service which includes sheet metal work, fabrication and finishing.



**Design** Unlike most manufacturing companies, McAree Engineering have a strong design reputation with our team of Design Engineers led by Vincent McAree, our Engineering Director. The 5 strong team ensure your designs are production ready and allow us to provide a Turnkey service.

**Laser Cutting** providing a laser cutting service since 1999, we currently operate 4 Trumpf laser cutting machines (including 3 Fibre Lasers) with a maximum sheet size of 12M x 2.5m. This allows us to specialise in oversize material cutting. We have capacity to process up to 200 tons per week



**Forming** we operate 7 Trumpf Trubend forming machines, the largest of which is an EHT 600 ton 7m press brake. This provides the capability of folding 5.5m lengths of 12mm material. This capability is augmented by a modern suite of Trumpf TruBend Machines providing 320 ton at 4m widths.

**Rolling** our 4-roll, CNC, double Pinch Hydraulic Plate Bending Machine equipped with Central Top and Dual Side Supports, features the latest in rolling technology with many functions including pre bending, cone and elliptical rolling.



**Punching** for high volume intricate designs we operate a Trumpf 5000R punch machine with vast array of specialist dies including beading and extruded dimple for ladder and platform steps.



**Fabrication** we have 50 fabrication welders operating across 3 sites. Our Welding Centres are home to 40 welding cells focusing on high volume fabricated parts. Our Projects Division focuses on high design bespoke parts which tend to be physically big. We are certified to EN1090 Class 2. Specific expertise in Pipe Welding, Tanks and HVAC Ducting and associated products.

**Painting** We have a manual Powder Paint Facility with a Blast Booth (14m long x 7m wide x 6m high) complete with recovery system (manual blasting using chilled iron). Our Gema Spraybooth is 7.2m long x 4m wide x 3.3m high, complete with after filter and fire suppressant system. Our box oven is 7.2m long x 3.5m wide x 3.3m high. This system is complimented by a 8m wide x 8m high x 20m (twin set up) long, **wet spray booth with a heat capacity of 80°C**. This capability is quality controlled by our own in-house ICorr qualified Paint Inspectors.



**Quality** Our Integrated Management System incorporates Quality ISO 9001:2015, ISO14001:2015, & ISO 45001:2018. We use Certification Europe as our auditing authority to provide best in class, benchmarking within our sector. We are also a Deloitte Best Managed Company.



# McAree Engineering Machine Capability

## Laser Cutting

- **1 x Trumpf 8000 laser:** working area **12000 x 2500mm**, fully automated.
- **1 x Trumpf 5060 12KW laser:** working area **6200 x 2000mm**, fully automated. 30mm gauge cutting capability.
- **1 x Trumpf 3KW Fibre laser,** complete with **Rotolas** with a 300mm diameter capability.
- **1 x Trumpf 6KW laser** complete with fully automated, 16 shelf Trustore, working range 4000mm x 2000mm.

## Forming

- **1 x EHT VarioPress 600 ton Press Brake,** 7m wide complete with bending assists – we can fold up to **5.5m, 12mm HR material.** Wide selection of Radius tooling.
- **6 x Trumpf Press Brake Machines:** Ranging up to 320 tonne pressure folding up to 20mm, We can fold 10mm x 4.3 lengths.

## Punching

- **Trumpf 5000r Punching Machine:** Working range 3500 x 1600, fully automated Punch capability up to 4mm mild steel, 3mm stainless steel. Excellent Toolset including louvres, countersinking, extruded step, beading.
- **Peddinghaus CNC Angle Master:** Double hole Punching, shearing +/- 1mm, hard stamping up to 15x150 x 15mm of angle and flat sections. 12.2m long stock lengths.

## Flats & Section Rolling & Pipe Bending

- **MG 4Rolls, CNC Double Pinch Plate Bending Machine**—3000mm wide range from 8mm at 400mm diameter to 15mm at 500mm diameter
- **3 x Metal Plate Rollers:** 3200mm x 6mm gauge.
- **Peddinghaus CNC Roundo:** Rolling of angle and flat sections; 100mm x 100mm x 10mm angle section, 150mm x 12mm flat section, 80mm x 40mm box section.

## Welding Fabrication

- **50 fully equipped Welding Bays across 3 Factory Units**
  - On site RWC. ISO 9060 certified Welders
  - Currently EN 1090, Class 2 certified S235, S275 & S355 material. 3 weld procedures certified; single fillet, multi run fillet, single run butt weld, multi run buttweld.
- **VALK Robot Welder**—2 Station, gantry Robot; 15m travel. Station 1 L positioner; Head & tail stock configuration. Can handle fabrications up to 5 ton weight.

# McAree Engineering Machine Capability

## Surface Prep and Coating

- **Timesaver 42 WRB—1000 working width:** Deburring, Heavy Slag Removal, Edge Rounding, Laser Oxide Edge Removal, Finishing.
- **Powder Spray Paint facility**
  - **Blast Booths** - 14m long x 7m wide x 6m high complete with recovery system. (manual blasting using chilled iron, 2 pot system)
  - **Spray Booth** - Gema spraybooth: 7.2m long x 4m wide x 3.3m high, complete with after filter and fire suppressant system.
  - **Oven Size** - 7.2m long x 3.5m wide x 3.3m high.
- **Wet Spray Paint Facility**
  - **Blast Boot—8m x 8m x 8m** (manual blasting using chilled iron, 2 pot system)
  - **Wet Spray Booth** – 8m wide x 20m long x 8m high with a heat capacity of 80° C. **7.5 ton lifting** capability throughout wet spray booth.
  - **In-House ICORR accredited Paint Inspector Level 1.**

## Miscellaneous

- **Spiro Tube former:** Range 100mm to 4000mm diameter for HVAC Ducting.
- **Spiro Gorelocker:** For the manufacture of segment bends, reductions, end covers etc.
- **2 x Haeger Penn Insert Machine**
- **Drilling, Tapping and Countersinking—**Drilling and tapping M5 to M24

## Kitting

We offer a comprehensive kitting and packaging service ensuring peace of mind for our customers. Whether its standard or oversized Sheet Metal components or fully finished, painted fabrications our expert team will work with you to devise the optimum kitting and packaging requirements to ensure your job in delivered in full in perfect condition.

