

OPIE
MANUFACTURING GROUP

Design / Supply / Process / Manufacture



“ Our investment in technology promises a quality and cost effective solution for your next project”

Tristan Opie — Managing Director

Opie Manufacturing at a Glance

Originally started in 1962, Opie Manufacturing is still under the control of its original family owners and runs a state of the art 8000m² manufacturing and metal processing facility at Emu Plains in Sydney NSW.

Opie Manufacturing specialises in contract manufacturing. Engineers, fabricators, builders, designers and architects choose to work with us as we can realise concepts into realistic 3D model designs. This gives them confidence that the building elements we are manufacturing are what they want and will function as they should.

An Experienced Team

The team at Opie Manufacturing incorporates over 30 years of individual experience in management, design and operation. With a wide pool of skills and knowledge to draw on.

Our Capabilities

We manage the process from realising your concept, to design, through to manufacturing and installation. And because it's local, you get the advantage of fast turnaround times and quality workmanship.



Using advanced simulation and design software, Opie Manufacturing was able to design, process, assemble and install the new Coogee Lifeguard pavilion palisade with unmatched accuracy and turnaround time.

Product Design

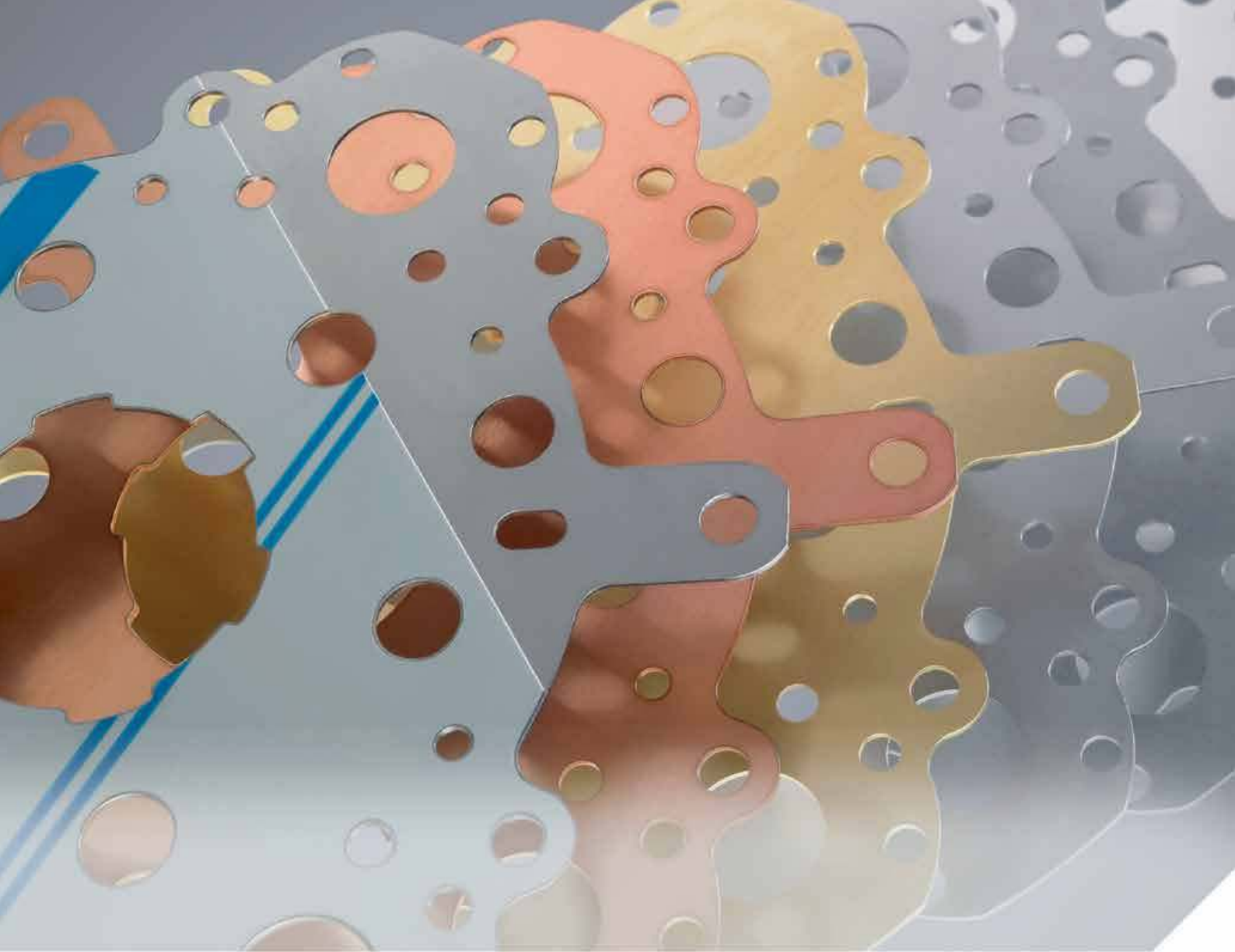
Our Industrial Design team can help you through the design process of your product to ensure the product functions to its best capability.

With our extensive suite of design tools, we provide 3D model designs to confidently realise your concepts.

Rules based engineering is one of our specialties and forms part of this product design process. This allows a single production template to be generated for the creation of further or similar products with all configurable variables, saving you valuable time.

Investment in Technology

Our philosophy is to invest in the latest and most advanced machinery & software to ensure a quality output with unmatched technical ability and versatility.



Materials Processing

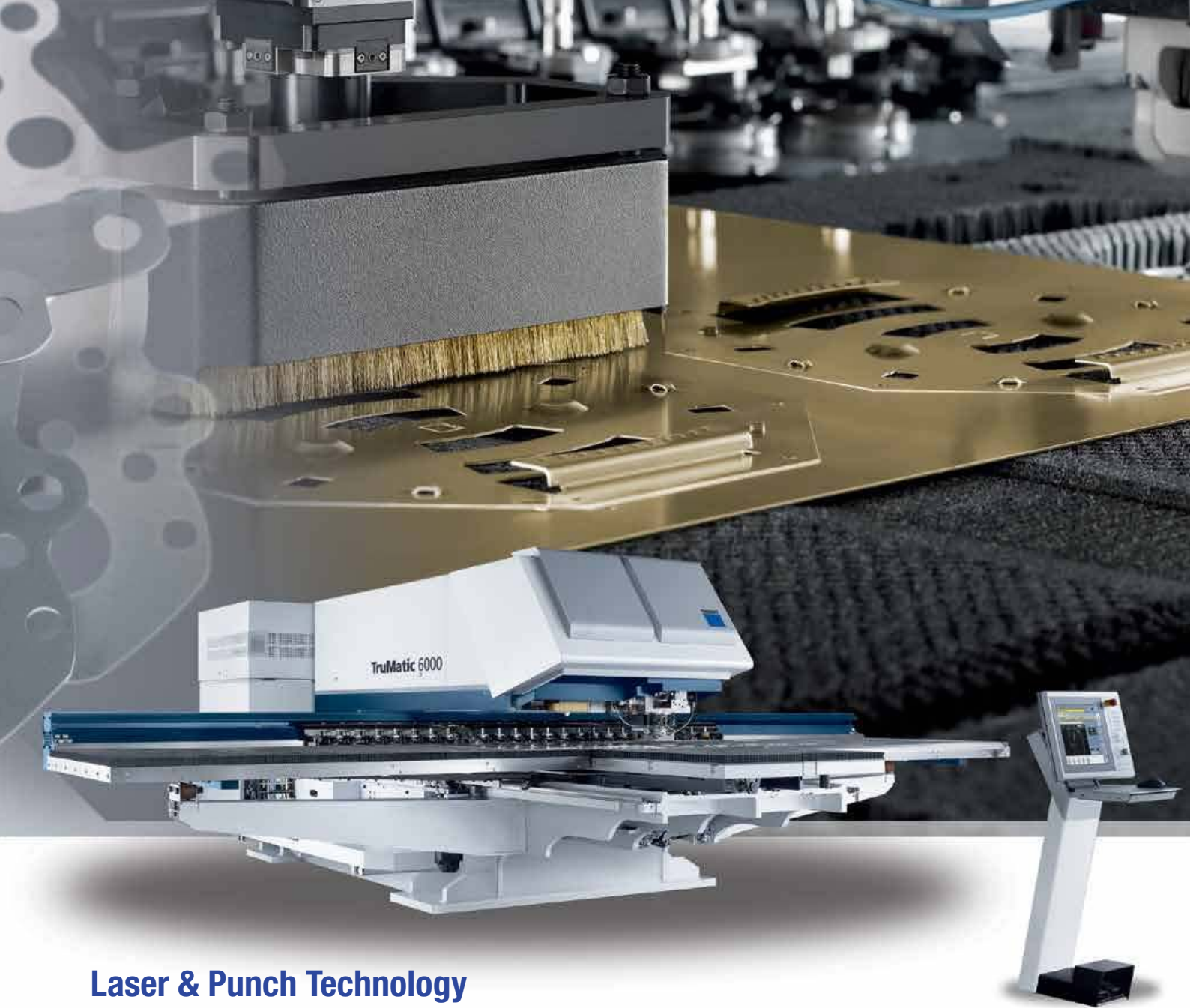
Our extensive range of equipment means we are able to process parts of a wide variety of materials, profiles and thicknesses.

Metals

Steel: GR 250-450, Chromoly, Gal, Zinc,
Aluminium
Stainless Steel
Wear Resistant Steel
Speciality Alloys
Brass
Copper
Titanium
Any ferrous / non ferrous material

Non Metals

Wood Products
MDF
Plywood
Rubber
Nylon
Acrylic
Neoprene
Composites such as Alucobond



Laser & Punch Technology

The “combo” is a versatile machine with sophisticated laser and punching technology. The powerful punching head and laser guarantee high turnaround and excellent quality. For sensitive materials, which must not have any scratches underneath, we use brush tables combined with the descending die.

Flexible Forming

With the slim laser head of a TruMatic, we can cut very near to, or even on, forms which have already been created. You can also achieve unusual contours with process reliability.



Multiple Features & Finishes

The Trumatic 6000 can process sheets up to 8mm thick with a wide range of features including tapping, countersinking, roller offsetting, weld positioning and louvre tooling.



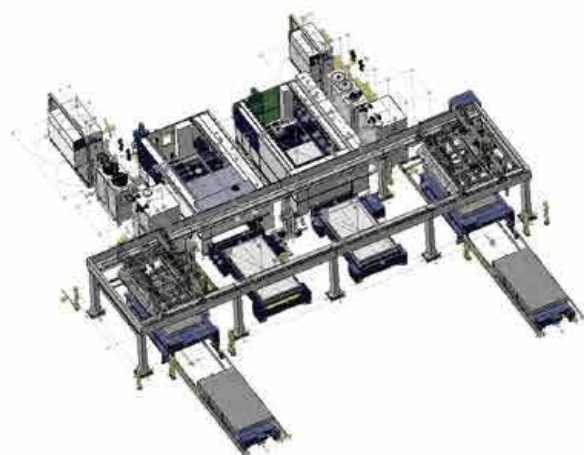
Laser Cutting

Opie Manufacturing sports a wide variety of laser cutting machines, able to process varied shapes, widths and materials. All of our machines are available **20 hours a day, 6 days a week**. Our two TruLaser 5030 Fiber machine's impress with their high processing speed and reproducible, high part quality – even for complex contours.

Clever assistant systems make the complete machining process more productive and reliable than ever. Due to its advanced technology, our flatbed fiber laser cutters are able to process a wide variety of materials with impressive speed and accuracy.

Our TruLaser 5040 represents high productivity, efficiency, and high-quality results. Diverse automation solutions and intelligent functions guarantee excellent results in continuous operation – the smooth edges produced by the CO2 laser also offer clear-cut benefits.

	5030 6 kw Fiber	5030 8 kw Fiber	5040 6 kw
Max Weight	1100 kg	1100 kg	3200 kg
Mild Steel	25 mm	25 mm	25 mm
Stainless Steel	25 mm	40 mm	25 mm
Aluminium	25 mm	25 mm	16 mm
Copper	10 mm	10 mm	–
Brass	10 mm	10 mm	–













Two Fully Automated Tube Laser Cutting Machines

Fast, accurate and consistent, our two TRUMPF TruLaser Tube 7000's are capable of cutting a wide variety of tubes and profiles, with wall thicknesses of up to 15mm. The TruFlow Series CO2 laser and high-quality cutting data produce the best possible results for every cut.

Maximum Wall Thickness	Tube Material Length	Finished Part Length	Work Piece Weight
Stainless Steel - 10mm Mild Steel - 15mm Aluminium - 6.33mm	10m Max.	9.8m Max.	37.5 Kg/m

Laser Tube Cutting Profiles

The Trulaser 7000 is able to process a wide variety of profiles:

							
CHS	SHS	RHS	Flat Bars	Custom Shapes	PFC	Equal Angle	Un Equal Angle
12 × 250	12.7 × 150	20 × 10 to 200 × 100	50 × 5 to 100 × 110		180	20 × 20 to 100 × 100	20 × 25 to 150 × 100

CHS (Circular Hollow Section), SHS (Square Hollow Section), RHS (Rectangular Hollow Section), Flat Bars (Structural), PFC (Structural), Equal Angle (Structural), Un Equal Angle (Structural).



Folding

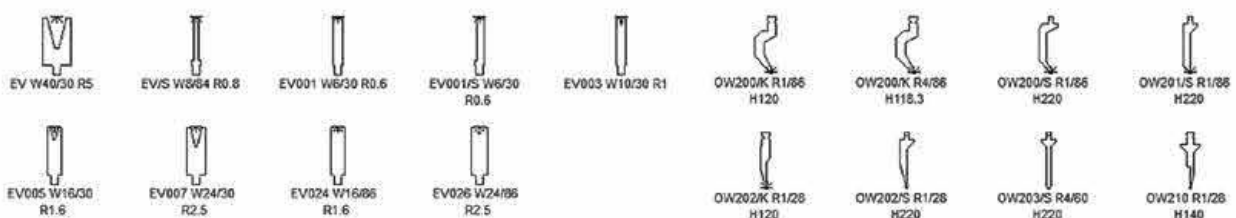
Our machines ensure the most accurate and time effective method possible to bend your product. We bend a wide array of metal lengths with accuracy, speed and reliability via our TruBend 7030, 7036, 5170 and 5230.

The 7030 is a fully automated bending machine capable of processing complex parts and components quickly and efficiently and sets the standard when it comes to flexibility and automation. The 7036 bends small and medium-sized parts in record time, allowing smaller scale jobs to be prioritised while other machines handle larger components. Our two TruBend 5000 Series Machines are perfect for medium to large scale jobs, allowing us to process large amounts of materials in quick succession.

These machines are able to be fully programmed with complex bending instructions and minimal downtime, allowing metal folding to progress quick, efficiently and with a high degree of quality and accuracy.

	7030	7036	5170	5230
Max Tonnage	—	1100 kg	1100 kg	3200 kg
Bending Length	3123 mm	1020 mm	4250 mm	4250 mm

Versatility Through our Extensive Tooling Range





Laser Welding & Assembly

Robotic welding for modern manufacturing

This system presents the next step in modern, automated manufacturing in Australia. With the TruLaser Weld, it is possible to create fine weld points of just a millimeter in diameter in an instant, to producing deep-welded seams stretching over several meters. Can weld materials with both a high melting temperature and high heat conductivity. As a result of the minimal melt with short, controllable duration, you can also join materials that would otherwise be difficult or even impossible to weld.

Robots, lasers, processing optics, enclosed protective housing, and positioners – TruLaser Weld 5000 is the next generation system for automatic laser welding. It can flexibly weld deep and strong seams or nicely rounded, smooth seams using one system.

Component	Length (mm)	Max Loading
XL Cabin Size	8250 × 4800 × 3200	–
Rotate & Tilt Positioner	2000 × 1000 × 700	400kg
Rotary Table	1600 × 800 × 1200	250kg
Turnover Positioner	4000 × 1500 × 1000	1000kg

Manual Welding

When laser welding is not suitable, we offer comprehensive manual welding services including: TIG, MIG, CMT, MMAW, Spot & Stud. This allows us to rapidly assemble items for shipment.



Milling & Machining

We produce precision parts on our CNC milling & lathe machines.

We offer a complete milling and machining service, providing add-on and custom components for assembly. This makes it possible to obtain your supply of manufactured goods entirely from Opie Manufacturing.

Plate, Sheet, Tube & Section Bending and Rolling

Rolling machine for sheet metal.

Pre-Bending Capacity (mm)	Rolling Capacity (mm)	Diameter of Top and Lower Roll (mm)	Diameter of Side Rolls (mm)
3000 × 4	3000 × 7	205	160
1550 × 6	1550 × 6	160	—
—	1220 × 3	60	—

Polishing and Deburring

Precise deburring and finishing with a capacity up to 900mm wide with the Grindingmaster 2200 series.

Laser Marking

Every part we produce can be labeled, numbered or coded utilising our laser marking equipment.

With our TruMark Station 5000 marking machine we can provide perfect marking at the speed of light on steel, plastic and wood.



Powder Coating

Opie Manufacturing operates a state of the art powder coating facility in Emu Plains.

High quality powder coated finishes can be applied to all metals, including aluminium, mild steel (raw, zinc or galvanised) and stainless steel. We have the capacity to handle projects large and small, offering rapid lead times and competitive rates. Our state of the art powder coating line features the following technology:

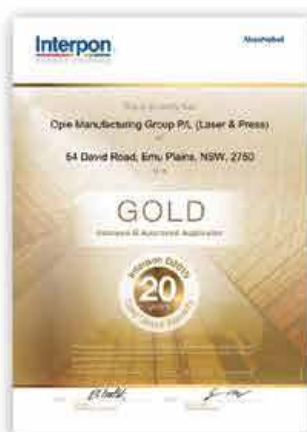
- Six stage pre-treatment, with environmentally friendly chromate free technology
- Automatic and manual powder application for improved efficiency
- Cyclonic powder recovery system to optimise powder yield
- Closed loop water regeneration system - zero waste water produced

Maximum Capacity

Weight: 150 kilograms per metre
 Length: 4600 mm
 Height: 1800 mm
 Width: 700 mm

Warranties & Accreditation

We are approved applicators of leading Australian powder coat suppliers Akzo Nobel (Interpon) and Dulux Powder & Industrial Coatings. Where required, powder coating warranties of up to 20 years can be provided.



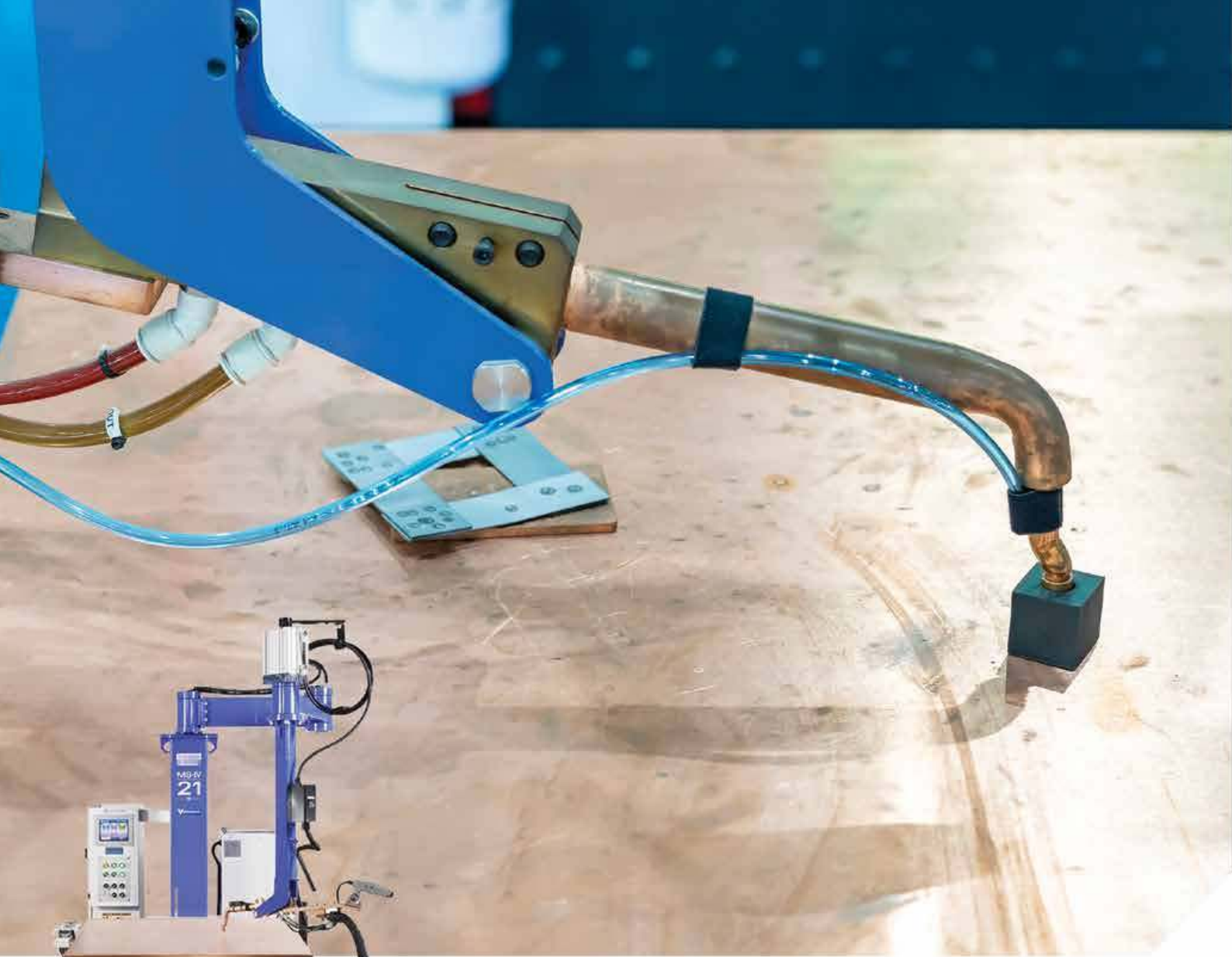


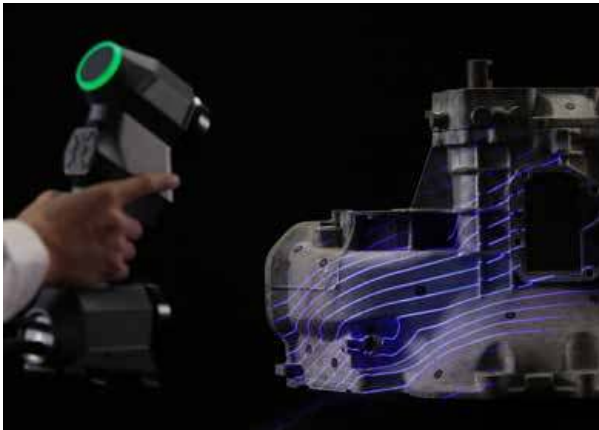
Table Spot Welding

High quality spot welding that reduce conventional post-welding processes

Table spot welder MYSPOT enables welding work to be performed by just one person. Once you place the workpiece on the copper table and select its material and thickness, you can start welding immediately. MYSPOT makes it possible for anyone to perform welding with the same high quality, no burn marks or distortion.

This is an extremely versatile method of spot welding where a 5mm-thick solid copper plate forms a 'tabletop' on which the fabricated product is placed. Copper is used because of its high level of conductivity. The other conductor is a movable arm which can be easily maneuvered into tight spaces and corners. The biggest advantage of the table spot welder is it allows spot welding of very large items such as cabinets, racking and shelves.





High Accuracy 3D Scanning

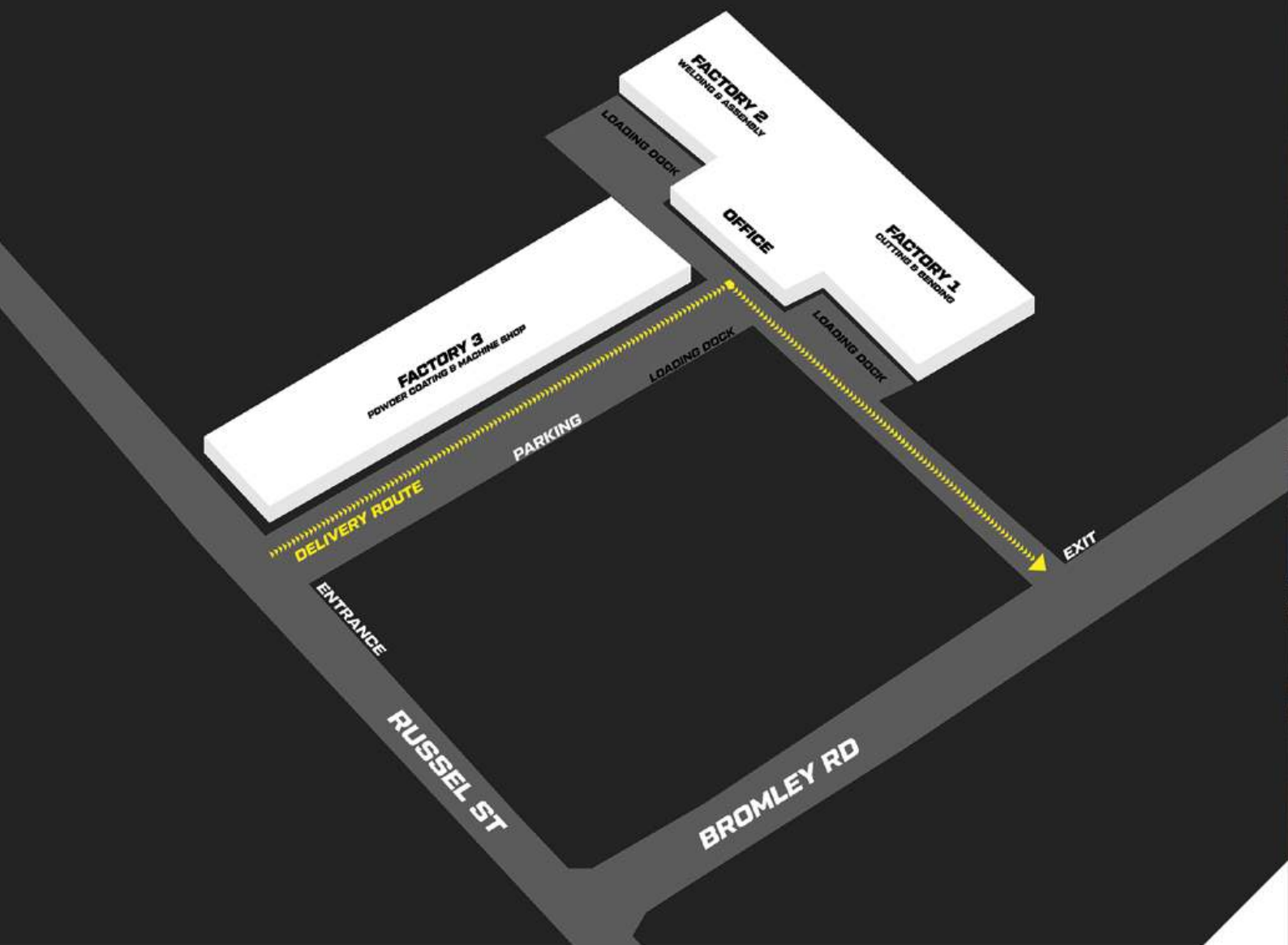
RigelScan High Resolution Versatile 3D Scanner

RigelScan Plus can capture fine features of the parts with an accuracy up to 0.02mm. Certified by National Institute of Metrology. RigelScan Plus applies blue laser scanning technology for easy capturing of shiny surfaces. RigelScan Plus is equipped with a wireless module for easy flexible scanning of large parts. RigelScan Plus is the perfect 3D measurement for a range of applications.

High Scanning efficiency – scanning speed up to 2,100,000 measurements

Ultra high accuracy – scanning accuracy up to 0.01mm

Dynamic Referencing Technology – Move parts or scanning freely without compromising accuracy



Packaging & Delivery

Our premises offer storage of raw materials and pick up or delivery of finished products with our own transport. Packed as they come off the product line, products remain in the best possible condition.

On site installation and on site welding is managed by our expert team of builders and fabricators.

Pick Up

Customers are able to pick up orders directly from our facility in Emu Plains. Contact us directly for more information.

How to Find Us

Travel on M4 Motorway to Emu Plains then take the Russel St exit. Turn right at roundabout off exit ramp and proceed along Russel St for 1.5km.

Turn left into Opie Manufacturing Car Park. Visitor and Disabled parking space available.



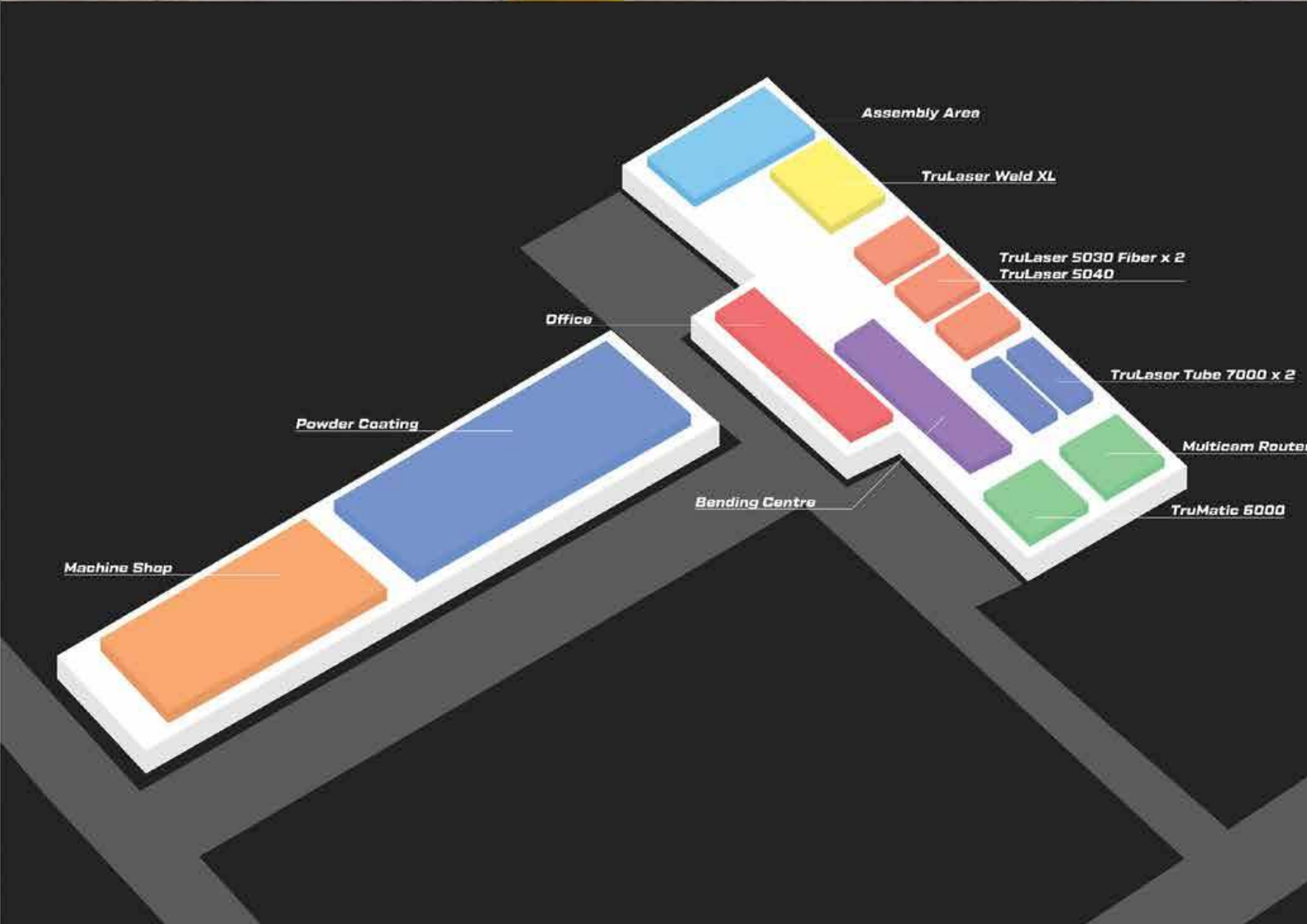
Hours of Operation

Factory

Monday: 5 am – 1 am
 Tuesday: 5 am – 1 am
 Wednesday: 5 am – 1 am
 Thursday: 5 am – 1 am
 Friday: 5 am – 1 am
 Saturday: 5 am – 1 am

Office

Monday: 6:30 am – 5 pm
 Tuesday: 6:30 am – 5 pm
 Wednesday: 6:30 am – 5 pm
 Thursday: 6:30 am – 5 pm
 Friday: 6:30 am – 5 pm





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