



ISM
SOLUTIONS



DESIGN



LASER CUTTING



SHEET METAL



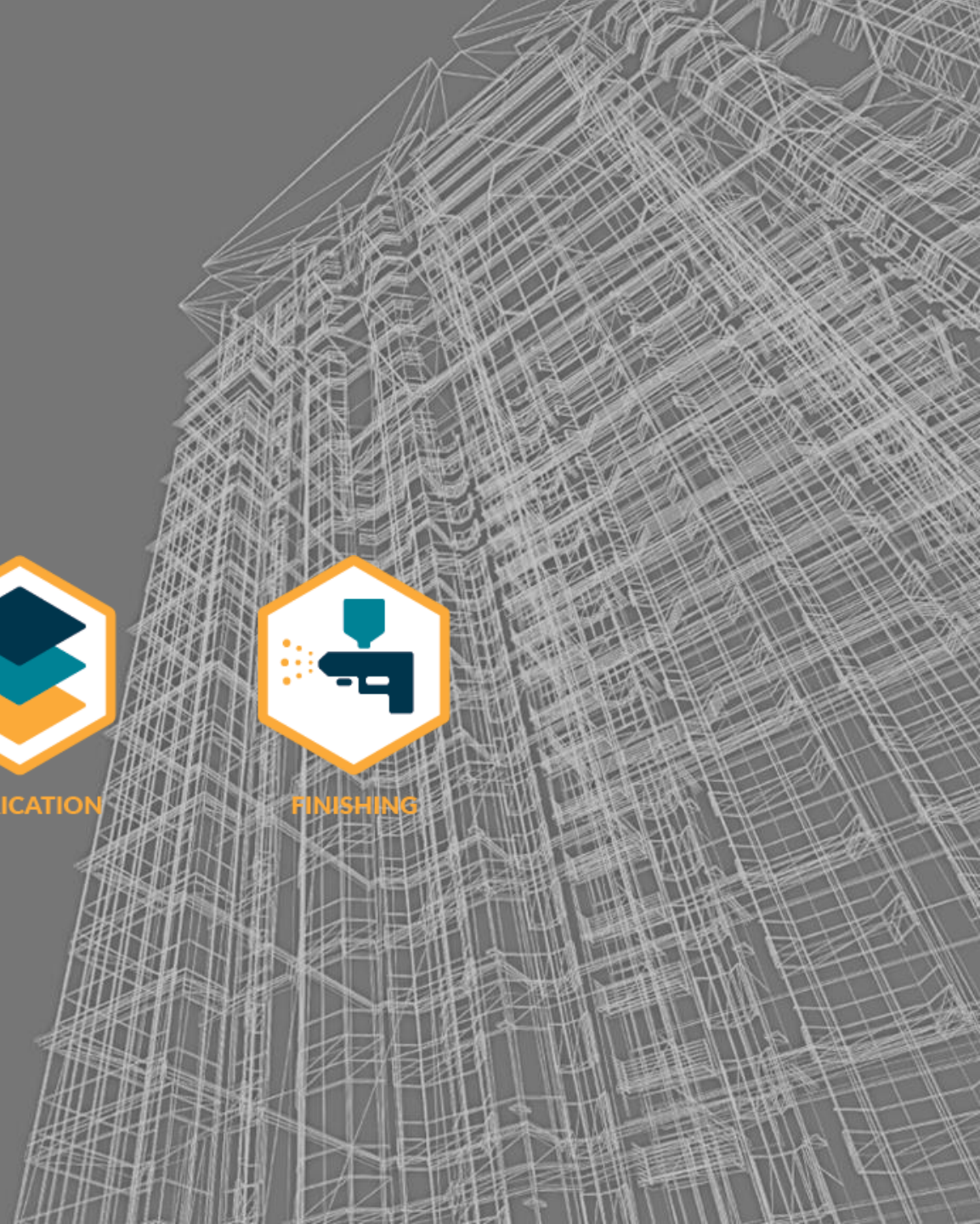
FABRICATION



FINISHING

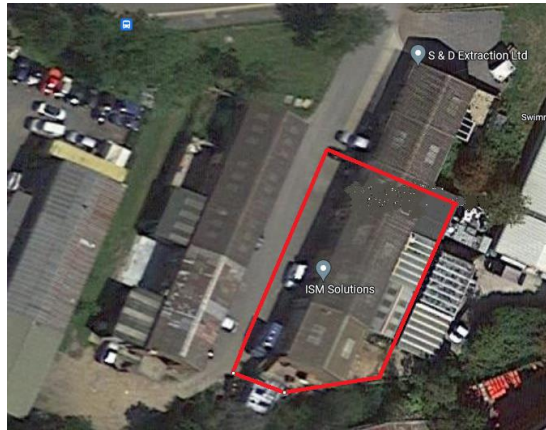
PRECISION SHEET METAL AND
FABRICATION SPECIALISTS

16 DAISH WAY, DODNOR INDUSTRIAL ESTATE, NEWPORT, PO305XB



COMPANY PROFILE

- Established in 1989 and based on the Isle of Wight we have over 30 years of experience, our facility has state of the art equipment and unparalleled manufacturing knowledge. We offer collection and delivery throughout the South of England along with same day and overnight deliveries to companies all over the UK.
- We operate from two sites, our fabrication and laser cutting facility, as well as our sheet metal and assembly facility.



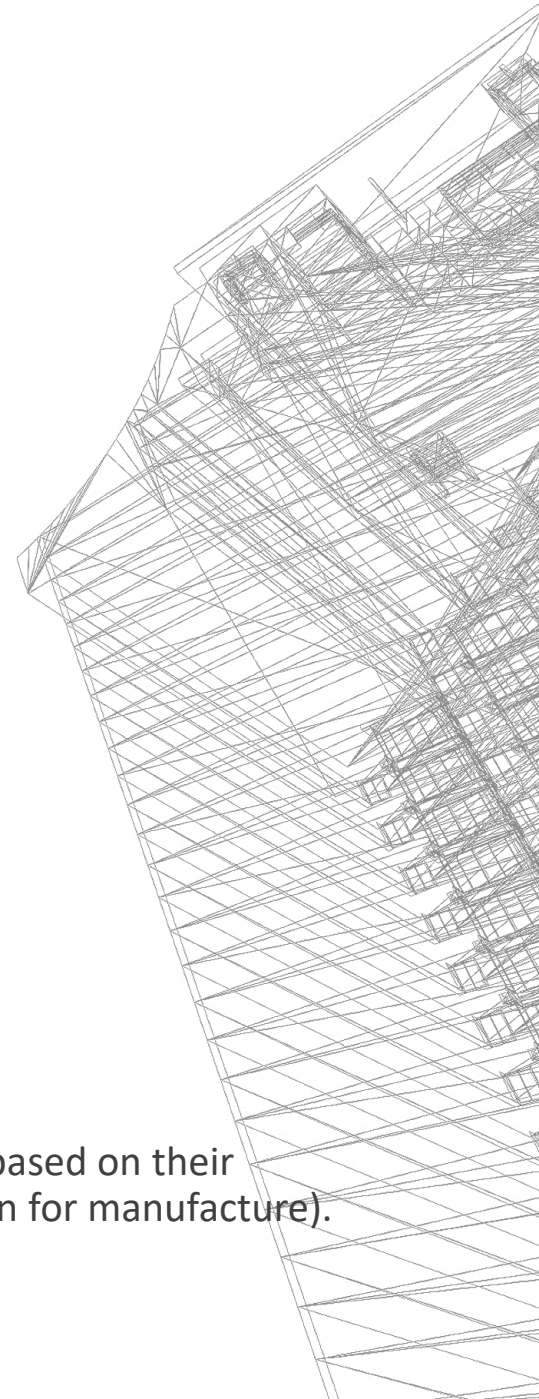
- ISM is UKAS accredited with ISO 9001:2015, an international standard ensuring quality management. We are also UKAS accredited with CE marking to BS EN1090, Execution class 2. This ensures strict quality control in our manufacturing approach for constructional steel and Aluminium products.

PROCESSES & CAPACITY

An overview of our core business processes consists of the following:

- Laser Cutting (Sheet and tube)
- Machining and turning (Ferrous and non-ferrous and non-metallic such as plastics and composite)
- Precision Sheet metal work (all aspects)
- Drilling, Tapping and installation of a variety of inserts
- Finishing services including powdercoat, wet spray paint, and plating.
- Coded welding of Ferrous, non-ferrous and exotic alloys (MIG, TIG and spot welding)
- Prototype and development.
- Steel fabrication for industrial and domestic applications including:
 - Heavy gauge industrial manufacturing including jigs and fixtures
 - Balustrades, railings & staircases
 - Pedestrian and automated gates
 - Architectural metalwork
 - Structural steels

We have a staff count of approximately 20 staff across both of our sites, with ranging abilities and expertise based on their background and sector within the business. This includes CAD modelling, industrial planning and DFM (Design for manufacture).



MACHINERY & EQUIPMENT



LASER CUTTING



PROFILING:

- Trumpf Trulaser 3040 with rotolas. Cutting capacity as follows:

MATERIAL	PLATE		BOX SECTION			TUBE <i>(up to 3.5m single component cut)</i>		
	Min Thickness	Max Thickness	Section Size	Min Thickness	Max Thickness	Diameter	Min Thickness	Max Thickness
Mild Steels	0.5mm	25mm	25mm - 100mm	1.5mm	6mm	25mm - 150mm	1mm	8mm
Aluminium	0.9mm	12mm						6mm
Stainless Steels	0.7mm	20mm						8mm

- LVD ST1212 CNC Turret Punch Press
- Pierce All 3025 – 25 tonne capacity.
- D.RO & Duplicator press tooling Strippit Duplicator – 25 tonne capacity.
- Morgan Rushworth HSGS 2600/6 NC – 2.5m x 6mm Guillotine
- Mach Machines MDT-2 CNC Turret Mill

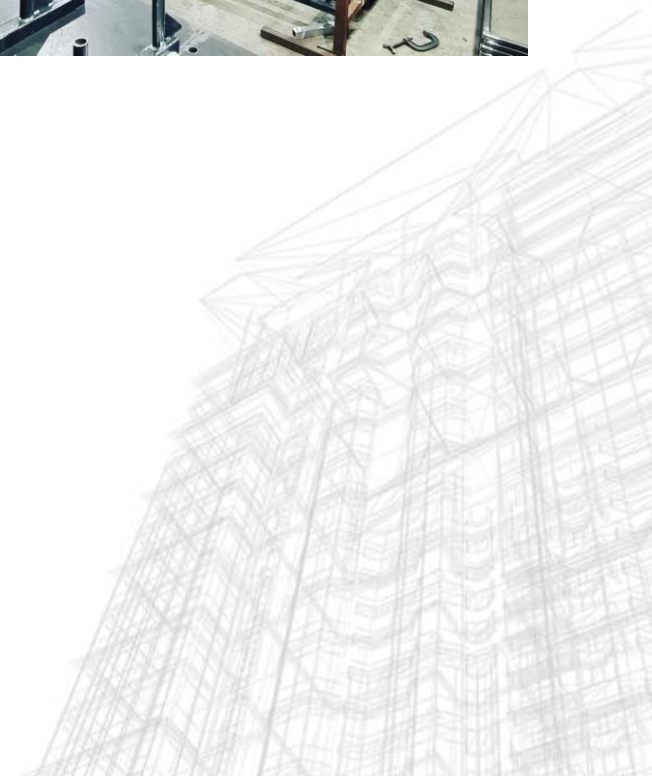
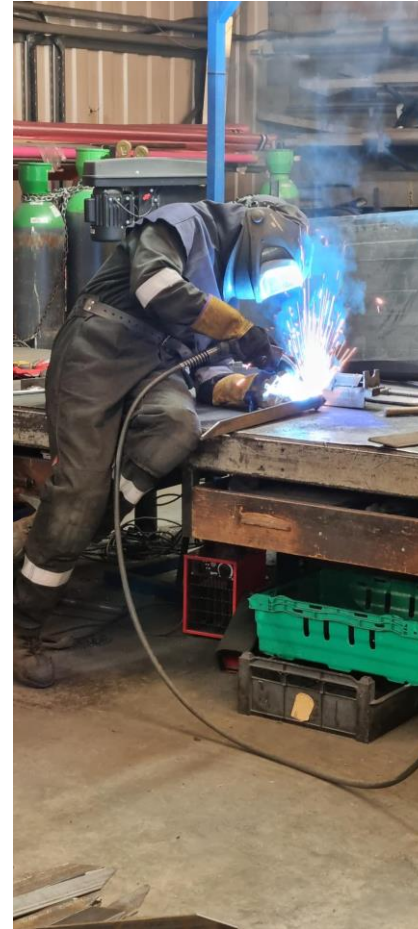


MACHINERY & EQUIPMENT



WELDING & FABRICATION:

- Kemppi MasterTig 500 Amp Tig
 - Kemppi MasterTig 350 Amp Tig
 - 2 Stations Tig – 200 Amp
 - 2 Stations Mig – Sunergic 400 & 500 Amp
 - 1 Station Mig – CO2 400 Amp
 - 2 Stations Mig – CO2 250 Amp
 - Certified coded welding approvals held
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- Morgan Power Rolls – 1.25M x 8mm
 - Doal – 24” Bandsaw
 - Macc Brown – 10” Section Cutting
 - Elu – 6” Rotary Section Cutting
 - Hydraulic pipe bending
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- Specialists in fine limit fabrication, and Pipework for oil and gas industry.



MACHINERY & EQUIPMENT



SHEET METAL:

- Durma E30200 200 Tonnes 3M 5 Axis
- Megaform Dubris – 35 Tonnes 1.5M CNC 3 Axis
- Promecam – 50 Tonnes 2.5M
- Safan – 20Tonnes 1.5M
- Barns – 56 Tonnes 3M

- Pneumatic insert machines & assembly stations
- Spot welders & pneumatic riveters
- 900mm wide grindmaster
- Optimum OPTIdrill DH 40CT Pillar gear drills



Finishing Processes



- Electrostatic Powdercoating (gas cured)

PROCESS	FINISH	COLOUR	SIZE CONSTRAINTS
Powder Coat	Semi Gloss	Many Stocked <i>(please enquire)</i>	Maximum 3m lengths
	Full Gloss		
	Matt		
	Eggshell		
	Textured		
	Hammer		
Alocrom	1000	Clear	Maximum 3m long
	1200	Gold	
Iridite	NCP	Clear	Maximum 1m long
Zinc Plating		Colour	1m x 0.5m x 0.8m
		Clear	

- Alocrom 1000
- Alocrom 1200
- Iridite NCP
- Phosphating
- Zink plating (Colour & Clear)



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