

**D** **DUDLEY**  
**INDUSTRIES**  
SHEET METAL EXPERTISE SINCE 1942

# Subcontract Sheet Metal Engineering Services



## WE CAN HELP YOU CREATE AMAZING PRODUCTS FROM SHEET METAL

Since 1942 we've supported hundreds of customers across multiple industries progress their projects from concept through to witnessing them roll out of the plant following full scale production.

Whatever stage your products are at, our team are at your disposal, tap into our resources, knowledge and expertise. Beyond the external auditing and accreditations to ISO9001:2015, our team work within a culture that delivers exemplary products within a safe environment to meet your specification, timescale and budget.

So, please review the information provided in this brochure that details our production capabilities and when you are ready, contact our team on 01253 738311 and start an initial exploratory meeting about what can achieve together.

Where do you want to take your ideas today?

DESIGN



TOOL ROOM



FLAT BED  
LASER CUTTING



PUNCH PRESS



PRESS BRAKE



POWER PRESSES



WELDING



FINISHING



ASSEMBLY



BRANDING



CLEANING



WAREHOUSING





## DESIGN

Our team of experienced engineers use the latest Solid Edge software to bring concepts to life. The team provide design and development capabilities and manufacturing engineering experience to satisfy customer requirements.

Our team can create detailed manufacturing layouts from initial idea or if drawings already exist they can convert into designs suitable for production.

We prefer to work collaboratively; working closely with our customers to ensure their requirements are constantly at the heart of the project, providing a cost effective solution whilst delivering the quality expected within the required timescales.

We work with our customers to optimise their designs to be produced in an efficient manner providing value for money. The team also provide estimating services to ensure projects remain within budget.

We also operate additive manufacturing facilities to support prototype requirements.



## WE OPERATE THE FOLLOWING SOFTWARE:



**SOLID EDGE**  
for design,  
simulation and  
manufacturing  
profiles



**SIGMANEST**  
enables optimal  
nesting and  
material  
utilisation



**RADAN**  
for optimised  
sheet metal  
cutting



**TRUTOPS**  
provides  
optimised press  
brake bending  
and punch  
pressing



**BOBCAD**  
for  
programming  
our CNC  
machining  
centres



**CREATIVE  
CLOUD**  
facilitates  
designs for  
screen printing  
and laser  
etching



## TOOL ROOM

As part of our one-stop-shop solution we operate a fully equipped tool room to produce our own small press tools. Our in-house tool room team have the experience to create your profile to your exact needs whilst providing efficiency and flexibility for changes if so needed.

We manufacture our own jigs and fixtures to the requirements of the design delivering value for money.

Our engineering team fully maintain our tools and equipment providing you with consistent quality and continuity of supply.



## FLAT BED LASER CUTTING

Investing in the latest cutting technology enables superior precision cutting performance and quality edge finishes whilst ensuring reliable and high volume through put. We can work with Stainless Steel, Steel, Copper, Brass and Aluminium as well as most other exotic metals and alloys.

We operate three flat-bed lasers including 1 state of the art fibre laser. We can work to a tolerance of 0.1mm on sheets up to 3000mm x 1500mm.

Optimal material usage is achieved using nesting software.

Production plans are downloaded directly in to the CNC machines.





## PUNCH PRESS

As an alternative to laser cutting, punch presses provide a vital metal cutting process, particularly useful where shallow forms are required.

We can punch up to 6mm



## PRESS BRAKE

We operate an extensive range of press brakes with seven presses providing the capacity to fold up to a 2m width.

Programmes created from CAD design and downloaded directly to the machines.



## POWER PRESSES

Our plant of eight power presses range from 25 ton to 400 ton providing for all customer requirements. This includes a 250 ton hydraulic press and 1 progression press for high volume work.

All dedicated hard tooling maintenance is undertaken in house.



## WELDING

Our welding facilities undertaken by our experienced team cover both ferrous and non-ferrous metal in both MIG and TIG ranging from 0.5mm to 8mm thickness.

Our plasma welding robot automates more of the complex welding processes increasing through put with reliable quantity.

Our welding services are completed with gas, spot and stud welding ensuring a solution for all customer requirements.



## FINISHING

Ensuring all products are finished to the highest standards, this process is either manual or robotic depending on customer specification or the desired finish.

Our ABB robotic finishing cell polishes the most complex product designs accessing difficult contours with ease.

Our in house Paint Shop provides powder coating capabilities from in-line electro static powder paint. We can adapt to different colour requirements through our quick change over process helping to reduce costs and increase productivity.

We can apply standard colours as well as architectural paints and lacquers.



## ASSEMBLY

Our extensive assembly cells provide for both flexible and dedicated assembly processes.

We provide both manual and electro mechanical assembly including testing facilities to ensure product compliance and quality.



## BRANDING

Understanding the importance of brand promotion we are able to provide silk screen printing and laser etching to present our customers branding on all products.

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## CLEANING

We retain this important process as a manual task; this ensures a further quality check is achieved before items are passed to inspection.

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## WAREHOUSING

All items are carefully packed and stored prior to despatch in our extensive dedicated warehouse facility.

We operate the Kanban lean method to manage our warehouse and ensure efficiency.



Whatever your enquiry,  
large or small let's start  
the conversation on  
**01253 738311.**

Dudley Industries Ltd  
Preston Road  
Lytham St. Annes  
Lancashire  
FY8 5AT



## PLANT LIST

No:	Machine:	Details:
2	Flat Bed Laser, CO2	Sheet Size Range: 2500mm x 1250mm Up to 4mm thickness
1	Flat Bed Laser, Fibre	Sheet Size Range: 3000mm x 1500mm Up to 15mm thickness
1	5 Axis Laser	Flat plate: 1250mm x 1250mm - up to 19mm Solid: 900mm x 900mm x 340mm
2	Punch Press	Sheet Size Range: 2000mm x 1250mm
2	Power Roller	
7	Press Brakes	Bed Size: up to 2000mm
1	Corner Former	
1	Haegar Press	Clinch Studs & Clinch Nuts
	Spot Welding	Coated Steel and Stainless Steel
4	Stud Weld	Up to M8
7	Presses	Ranging 25 ton to 400 ton
1	Hydraulic Press	
1	Robot Linishing Cell	250 ton
1	Robot TIG Welding	
1	Paint Plant	Powder
1	Laser Etcher	

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