



GROUP[®]

Profiling & Processing Since 1976



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Profiling & Processing Since 1976

“Automation is at the heart of everything we do as a group.”

Peter McCabe

Group Managing Director

Our philosophy is constant innovation, supported by ongoing investment in the latest processing technology; enabling us to offer complex solutions to a full spectrum of industries.



We believe it is our heritage, expertise and innovative approach to processing techniques that has enabled us to support global supply chains.

We are proud of our strategic partnerships with our clients, which are always based upon trust, support and environmental sustainability.

Timeline



PLASMA



PROFILES



PROTUBE



PROCESSING

-  **1976** P.P. Profiles starts trading in Walkden.
-  **1979** P.P. Profiles St Helens starts trading from Bold, St Helens.
-  **1983** P.P. Profiles relocates to a bigger custom built factory in Weaste, Salford.
-  **1993** JNJ Fabrications (now P.P. Processing) joins the P.P. Group.
-  **1995** P.P. Plasma starts trading in Gorton, Manchester, with one machine and one shop floor employee.
-  **2000** P.P. Profiles and P.P. Profiles St Helens merge together and start operating from Bold, St Helens.
-  **2000** P.P. Plasma relocates to the vacant Weaste factory.
-  **2005** P.P. Protube starts trading from St Helens.
-  **2005** P.P. Plasma invests in water jet technology.
-  **2007** P.P. Plasma invests in laser technology.
-  **2008** P.P. Profiles invests in laser technology.
-  **2014** P.P. Processing invests in the latest press braking technology.
-  **2014** P.P. Protube invests in the latest hollow section profiling technology.
-  **2015** P.P. Group now employs 86 people and operates across four sites in the North West of England, offering the latest technologies in metal processing and manufacturing.

Main Industries Served:

Oil & Gas

Nuclear

Construction

Aerospace

Rail

Bulk Handling

Food

Water & Waste

Yellow Goods

& Many More...





PLASMA[®]

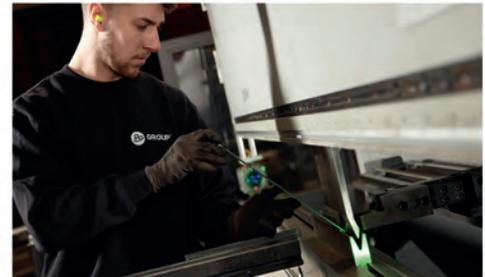
Stainless - Aluminium - Special Metals Profiling

PP. Plasma Ltd is the stainless, aluminium and special metals division of the PP. Group, offering laser, water jet, plasma and saw profiling as well as a number of additional services such as press braking.

Established in 1995, we are continuously expanding our product portfolio with the installation of pioneering technologies to enable us to satisfy all clients' requirements. We constantly strive to increase the quality of our products and services.

Our experienced Sales department is always willing to advise on the best course of action for any of your requirements. In addition, our experienced and comprehensive CAD department specialises in the development work of cones, square-to-rounds, lobster back bends, plus many other transitional pieces and are more than happy to discuss technical issues, such as etching bendlines, manway positions etc. with clients.

To conclude, our dedicated fleet of vehicles can give you a premium delivery service throughout the UK and Ireland.



PP. Plasma fully embraces PP. Group's philosophy of constant innovation, supported by ongoing investment in the latest profiling technology. In addition, automation is at the heart of everything we do at PP. Plasma and as a Group.

Laser Cutting

Up to 6500 mm x 2500 mm x up to 25 mm

Benefits:

- Multiple 6 kW facilities
- Quick turnaround time due to multiple 6 kW facilities
- High cut quality and finish
- Clean cut edge finish with virtually no taper
- Highly accurate with very good tolerances
- Ability to cut intricate shapes
- Ability to cut smaller apertures
- Ability to laser etch hole positions and bend lines, saving fabrication time

Materials:

- Stainless steel
- Aluminium
- Nickel alloys
- Duplexes

Plasma Cutting

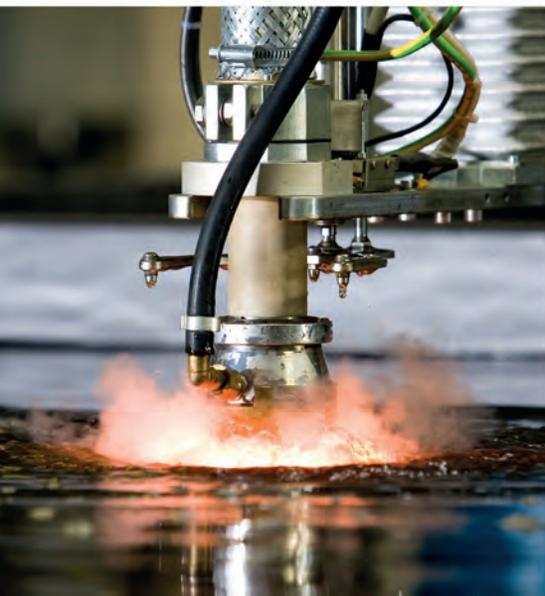
Up to 9000 mm x 4000 mm x up to 150 mm

Benefits:

- Reduced distortion due to submerged cutting
- Ability to cut thicker items very quickly and cost effectively

Materials:

- Stainless steel
- Nickel alloys
- Duplexes



“P.P. Plasma was able to supply us with materials, to manufacture six stainless steel filters, for the waste water industry. Each of these filters was 14 m x 4 m x 6.5 m high, consisting of thousands of profiles/parts, which were laser and water jet cut, as well as rolled and pressed; in as little as just four months. Due to the short lead time of such a large order, the project won a recognised global award.”

Water Jet Cutting

Up to 6000 mm x 3000 mm x up to 200 mm

Twin headed cutting

Up to 45° bevel cutting

Benefits:

- Save on production costs due to twin headed cutting
- No heat affected zone (HAZ)
- Eliminates many secondary operations
- Capable of 2D cutting and intricate bevelling within the same process
- Integrated weld prepping service
- Single and double weld preparations
- Non-standard flanges
- Variable bevels
- Angular holes and cut outs
- Burr free finish on parts
- Environmentally friendly technology

Materials:

This process can cut a wide range of materials including:

- Stainless steel
- Aluminium
- Titanium
- Copper
- Brass
- Bronze
- Nickel alloys
- 904L
- 6%Mo
- Rubber and plastic
- Can cut any kind of free issue material

Saw Cutting

Up to 6000 mm x 2500 mm

x up to 150 mm

Benefits:

- Clean straight cut edge; no taper
- Best choice for non-standard bar sizes

Materials:

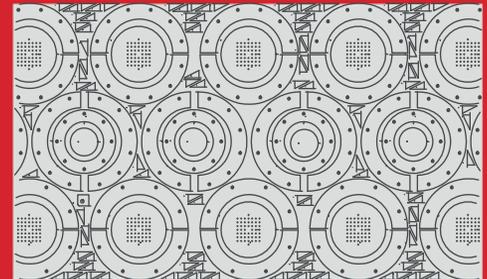
- Stainless steel
- Duplexes
- Nickel alloys
- Aluminium

CAD

Our CAD Technicians provide a wealth of knowledge and experience, ensuring that complex fabricated assemblies can be accurately translated into individual flat profile parts.

Using large area cutting machines and extensive nesting experience, we are able to provide improved yields across any process, benefiting in extensive savings.

Using various software programs such as SigmaNEST®, Autodesk® Inventor® Professional and SolidWorks®, enables us to accurately create flat pattern drawings from complex formed and fabricated developments. Both standard and complex transitional pieces can be developed accurately and efficiently.



Press Braking

Up to 6000 mm x 750 tonne

Typical components:

- Concentric and eccentric cones
- Square to round, concentric and offset
- Rectangle to round, concentric and offset
- Lobster back bends
- Many other transitional pieces

Benefits:

- Automatic crowning
- CNC operated
- In depth tooling library and 3D programming software compatibility
- Virtual software to run test jobs before pressing
- Autodesk® Inventor® Professional and SolidWorks® files direct import
- Ability to handle complex drawings due to latest technology available

Press braking machinery:

- Adira – 63 tonne capacity, 2000 mm x 3 mm. CNC controlled
- Adira – 250 tonne capacity, 3200 mm x 10 mm
- Bronx – 750 tonne capacity, 6000 mm x 20 mm
- Bystronic – 400 tonne capacity, 4000 mm x 12 mm. CNC controlled

Deburring & Finishing

As a standard the deburring machine is used to clean the edges of parts and profiles

Benefits:

- Save time on secondary operations
- Better uniformed parts compared to hand deburring
- Ethical process (Hand-arm Vibration Syndrome)
- Ability to finish top and bottom faces to a dull finish

Plate Rolling

Roll sizes:

- Durmazar - hydraulic 3 roll double pinch bending rolls 3000 mm x 10 mm
- Roundo – pre bend rollers 3000 mm x 20 mm plate thickness
- Fastwerk – 3 roll pinch rolls 1000 mm x 3 mm
- Two Gulco bevelling machines up to 25 mm stainless steel
- Five to 20 tonne crane capacity

Benefits:

- Stitch cutting to aid assembly
- Ability to remove stitch cuts if required
- Edge prepping prior to rolling to give welding ready components
- Pre-bending rolls which reduce the need for scrap on both ends

Edge Prepping

Capabilities:

- Bevel angles: 22.5°, 30°, 37.5°, 45° and 55°
- Minimum plate thickness - 6 mm
- Maximum plate thickness - 50 mm

Benefits:

- One stop shop for your processing requirements due to edge prepping
- Capable of giving nose or feathered edges
- Save your valuable time by getting an edge ready for welding

Maximum bevel depths:

- 22.5° - 20 mm stainless steel
- 30° - 20 mm stainless steel
- 37.5° - 16 mm stainless steel
- 45° - 15 mm stainless steel
- 55° - 12 mm stainless steel

Stock

Stainless Steel

Material Grade	EN
304	1.4301
304L	1.4307
304H	1.4948
310S / 310H	1.4845
316	1.4401
316L	1.4404
321	1.4541
321H	1.4878
347	1.4550
347H	1.4912
410	1.4006
410S	1.4000
430	1.4016
3CR12	1.4003

Nickel Alloys

Material Grade	UNS	EN
Alloy 400	N04400	2.436
Alloy 625	N06625 GR.1	2.4856
Alloy 28	N08028	1.4563
Alloy 800/800H	N08800/N08810	1.4876
Alloy 825	N08825	2.4858
C-276	N10276	2.4819
C-22	N06022	2.4602

Duplex & Super Duplex

Material Grade	UNS	EN
Duplex S32205	UNS31803	1.4462
Super Duplex	UNS32750	1.4410
Super Duplex	UNS32760	1.4501

High Alloy Austenitic

Material Grade	UNS	EN
904L	N08904	1.4539
6%Mo	S31254	1.4547

Aluminium

Material Grade
5083
6082
1050
5251
Tooling Plate
5754 Tread Plate

Bronze

Material Grade
PB102

Brass

Material Grade
CZ112
CZ108

Copper

Material Grade
C101
C103
C106

Certifications

ISO 9001

ISO 14001

OHSAS 18001

AS 9100



PROFILES

Carbon Steel Profiling

Based between the M6 and M62 motorway networks, our 35,000 sq. ft. site at St Helens offers a full spectrum of carbon steel profiling services.

With over 35 years of steel processing experience, P.P. Profiles is one of the leading carbon steel profilers in the North West. Our dedicated fleet of vehicles can give you a premium delivery service throughout the UK and Ireland. P.P. Profiles is a key supplier to a wide range of sectors, including: Oil & Gas, Aerospace, Construction and Bulk Handling.

Our ISO 9001 and BSEN 1090 standards, as well as the ability to offer full mill test certifications, guarantee high quality and traceability throughout all our processes.

Our experienced Sales department is always willing to advise on the best course of action for any of your requirements. In addition, our experienced and comprehensive CAD department specialises in the development work of cones, square-to-rounds, lobster back bends, plus many other transitional pieces and are more than happy to discuss technical issues, such as etching bendlines, manway positions etc. with clients.



P.P. Profiles fully embraces P.P. Group's philosophy of constant innovation, supported by ongoing investment in the latest profiling technology. In addition, automation is at the heart of everything we do at P.P. Profiles and as a Group.

Laser Cutting

Up to 6500 mm x 2500 mm x up to 25 mm

Benefits:

- High cut quality and finish
- Clean cut edge finish with virtually no taper
- Highly accurate with very good tolerances
- Ability to cut intricate shapes
- Ability to cut smaller apertures
- Ability to laser etch hole positions and bend lines, saving fabrication time

Materials:

- Free issue and full supply
- Pressure vessel / boiler grade
- Structural
- Coated material
- Offshore
- Abrasion / wear resistant
- Chrome molybdenum
- Quenched and tempered
- Weathering
- Medium carbon

HD Plasma / Bevel Cutting

Up to 9200 mm x 3000 mm x up to 40 mm

Up to 45° bevel cutting

Benefits:

- Ability to offer weld prepping for rolling and welding
- Taper angles compensation
- Square-edge cutting due to HD plasma arc
- Ability to cut thicker items very quickly and cost effectively

Materials:

- Free issue and full supply
- Pressure vessel / boiler grade
- Structural
- Offshore
- Abrasion / wear resistant
- Chrome molybdenum
- Quenched and tempered
- Weathering
- Medium carbon



“P.P. Profiles managed to profile and deliver 75 tonnes of parts within five working days, which enabled us to meet and exceed our project's deadlines. In addition, we saved significant time on drilling, due to 40 mm cut holes, provided by P.P. Profiles during this task. To conclude, this truly flexible and swift approach, enabled us to deliver all the tunnel cutting machines for the construction of railway lines on time.”

Flame Cutting

Up to 17500 mm x 4500 mm x up to 300 mm

Multi-head cutting

Benefits:

- Edge prepping
- Weld preps of up to 60° at a maximum of 60 mm bevel length
- Swift turnaround due to multi-head cutting
- Very reliable service due to over 35 years of flame cutting experience
- In house lumsden grinding and heat treatment services allow us to reduce your profiles to custom thicknesses and keep them within tolerances

Materials:

- Free issue and full supply
- Pressure vessel / boiler grade
- Structural
- Offshore
- Abrasion / wear resistant
- Chrome molybdenum
- Quenched and tempered
- Weathering
- Medium carbon

Heat Treatment

Capacity: 3800 mm x 3700 mm

Height: 2070 mm

- Stress relieving and normalising functions available

Benefits:

- Easier to machine metal without cracking or splitting
- Reduction of the heat affected zone (HAZ)

Water Jet Cutting

Up to 6000 mm x 3000 mm x up to 200 mm

Twin headed cutting

Up to 45° bevel cutting

Benefits:

- Save on production costs due to twin headed cutting
- No heat affected zone (HAZ)
- Eliminates many secondary operations
- Capable of 2D cutting and intricate bevelling within the same process
- Integrated weld prepping service
- Single and double weld preparations
- Non-standard flanges
- Variable bevels
- Angular holes and cut outs
- Burr free finish on parts
- Environmentally friendly technology

Materials:

- Free issue and full supply
- Pressure vessel / boiler grade
- Structural
- Offshore
- Abrasion / wear resistant
- Chrome molybdenum
- Quenched and tempered
- Weathering
- Medium carbon

Grinding

Benefits:

- Ability to grind profiles to a custom thickness
- Ability to offer thick profiles with fine tolerances
- Ability to produce profiles with visually appealing finish
- Ability to maintain flatness over considerable length due to three grinders

Overview:

- Free issue and full supply
- 2540 mm diameter grinding table
- Maximum thickness 200 mm
- Minimum thickness 6 mm
- Thickness tolerance 0.1 mm
- Flatness tolerance 0.5 mm

Press Braking

Up to 6000 mm x 750 tonne

Typical components:

- Concentric and eccentric cones
- Square to round, concentric and offset
- Rectangle to round, concentric and offset
- Lobster back bends
- Many other transitional pieces

Benefits:

- Automatic crowning
- CNC operated
- In depth tooling library and 3D programming software compatibility
- Virtual software to run test jobs before pressing
- Autodesk® Inventor® Professional and SolidWorks® files direct import
- Ability to handle complex drawings due to latest technology available

Press braking machinery:

- Adira – 63 tonne capacity, 2000 mm x 3 mm. CNC controlled
- Adira – 250 tonne capacity, 3200 mm x 10 mm
- Bronx – 750 tonne capacity, 6000 mm x 20 mm
- Bystronic – 400 tonne capacity, 4000 mm x 12 mm. CNC controlled

CAD

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Plate Rolling

Roll sizes:

- Durmazar - hydraulic 3 roll double pinch bending rolls 3000 mm x 10 mm
- Roundo – pre bend rollers 3000 mm x 20 mm plate thickness
- Fastwerk – 3 roll pinch rolls 1000 mm x 3 mm
- Two Gulco bevelling machines up to 25 mm carbon steel
- Five to 20 tonne crane capacity

Benefits:

- Stitch cutting to aid assembly
- Ability to remove stitch cuts if required
- Edge prepping prior to rolling to give welding ready components
- Pre-bending rolls which reduce the need for scrap on both ends

Edge Prepping

Capabilities:

- Bevel angles: 22.5°, 30°, 37.5°, 45° and 55°
- Minimum plate thickness - 6 mm
- Maximum plate thickness - 50 mm

Benefits:

- One stop shop for your processing requirements due to edge prepping
- Capable of giving nose or feathered edges
- Save your valuable time by getting an edge ready for welding

Maximum bevel depths:

- 22.5° - 25 mm carbon steel
- 30° - 25 mm carbon steel
- 37.5° - 20 mm carbon steel
- 45° - 18 mm carbon steel
- 55° - 15 mm carbon steel

Stock

Pressure Vessel / Boiler Grade

BS1501	EN	ASTM / ASME
161-430 A/B	10028 - P265GH	A516-60
224-490 A/B	10028 - P355GH or P355NL1/2	A516-70

Structural

BSEN10025	BS 4360:1996
S275JR+AR	43B
S275JO	43C
S275J2	
S355JR+AR	50B
S355JO	50C
S355J2+N	
S355K2+N	
Tread Plate	

EN 10111:1998	BS 1449:1991
DD11	HR3

EN 10130:1990	BS 1449:1991
DC01	CR4

COATED MATERIAL
Galvanised
Zintec

Abrasion / Wear Resistant

SPECIFICATION	
400 Brinell	Various Brand Names - Enquire For Details
450 Brinell	Various Brand Names - Enquire For Details
500 Brinell	Various Brand Names - Enquire For Details

Chrome Molybdenum

ASTM/ASME
387 Grade 11
387 Grade 22

EN
10028 - 16Mo3
10028 - 13CrMo45

Quenched & Tempered

EN10025
S690QL
S890QL

Offshore

BSEN10225
S355G2+N to S355G10+N

Weathering

EN10025	
S355J2W / S355J0W	Corten B
S355J0WP	Corten A

Medium Carbon

BS970 1991	BS970 1955	EN10083
080M40	EN8	C45

Certifications

ISO 9001

BS EN 1090



PROTUBE®

3D Tube & Box Section Profiling

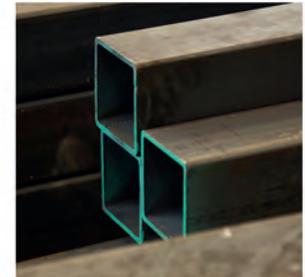
“P.P. Protube successfully completed over 6500 metres of profiling and weld prepping work to a high standard, allowing this important and high-value project to achieve its aims on time and on budget. Their flexible and co-ordinated approach was exactly what we needed to ensure the Quad 204 project ran smoothly.”

We are the longest established company in the UK able to offer CNC flame, plasma, tubular and box section profiling services.

Operating from our 35,000 sq. ft. site at St Helens, our MPC 1200 tubular and box section machine is capable of meeting all of your tubular and box section profiling requirements.

P.P. Protube was established in 2005, utilising the profile cutting expertise and resources of P.P. Profiles and HGG Profiling Contractors BV, based in the Netherlands. The partnership couples highly advanced tubular and box section profiling machines, with a unique CAD development software package, both of which have been developed by HGG over the past 20 years.

Our experienced Sales department is always willing to advise on the best course of action for any of your requirements. To conclude, our dedicated fleet of vehicles can give you a premium delivery service throughout the UK and Ireland.



P.P. Protube fully embraces P.P. Group's philosophy of constant innovation, supported by ongoing investment in the latest profiling technology. In addition, automation is at the heart of everything we do at P.P. Protube and as a Group.



Working with offshore fabricators from around the UK, we have produced many projects for the oil and gas industry. These have included tree frames, sub sea manifolds and accommodation blocks.

Our CAD expertise, coupled with the unique capabilities on larger diameter tubes, as well as complex weld preparations, enables P.P. Protube to offer the ideal solution to anyone operating in the oil and gas sector.



Short Throughput Times & Quick Delivery

Our high-capacity machinery and flexible staff enable us to increase production volumes on short notice and process large numbers of profiles in little time.

Experience & Quality

Our ISO 9001 and BS EN 1090 certifications guarantee high quality and traceability throughout all our processes. This is why over the last ten years we managed to create a very loyal customer base. We have successfully delivered tubular profiles for various major projects, including stadiums across the UK and Ireland. In addition, our machines have been used during the construction of the Wembley Arch and London Eye.

Shorter Fitting Time

Perfect cuts to an accuracy of plus or minus two millimeters, eliminate the need for grinding to make your profiles fit.

Saving On Welding Volume

CNC controlled cutting machines provide higher quality cuts and hence better weldability. Cuts developed by our company over the years have reduced the welding volume of pipe joints by 30%.



Rectangular Hollow Section

Minimum size: 60 mm x 100 mm

Maximum size: 500 mm x 450 mm

Wall thickness: 2 mm - 40 mm

Length: up to 14000 mm

Benefits:

- Welding time reduction by 30%
- Accurate CNC tolerances
- Full traceability back to the parent box section

Styles of cuts:

- Saddles
- Chamfers
- Double chamfers
- Mitres
- Splices
- Slots
- Holes

Materials:

- Carbon steel
- Stainless steel
- Nickel alloys
- Duplexes

Square Hollow Section

Minimum size: 60 mm x 60 mm

Maximum size: 500 mm x 500 mm

Wall thickness: 2 mm - 40 mm

Length: up to 14000 mm

Benefits:

- Welding time reduction by 30%
- Accurate CNC tolerances
- Full traceability back to the parent box section

Styles of cuts:

- Saddles
- Chamfers
- Double chamfers
- Mitres
- Splices
- Slots
- Holes

Materials:

- Carbon steel
- Stainless steel
- Nickel alloys
- Duplexes



Circular Hollow Section

Minimum dia: 48 mm

Maximum dia: 1225 mm

Wall thickness: 2 mm - 50 mm

Length: up to 14000 mm

Benefits:

- Save time as there is no need for grinding
- High precision cutting with cutting path optimisation
- Speed up layout and fabrication due to centre line marking
- Full traceability back to the parent tube section
- True freedom in profiling - a wide range of shapes to cover every conceivable need

Styles of cuts:

- Reverse AWS saddles
- Saddles
- Chamfers
- Double chamfers
- Mitres
- Splices
- Slots
- Holes
- Lobster back

Materials:

- Carbon steel
- Stainless steel
- Nickel alloys
- Duplexes

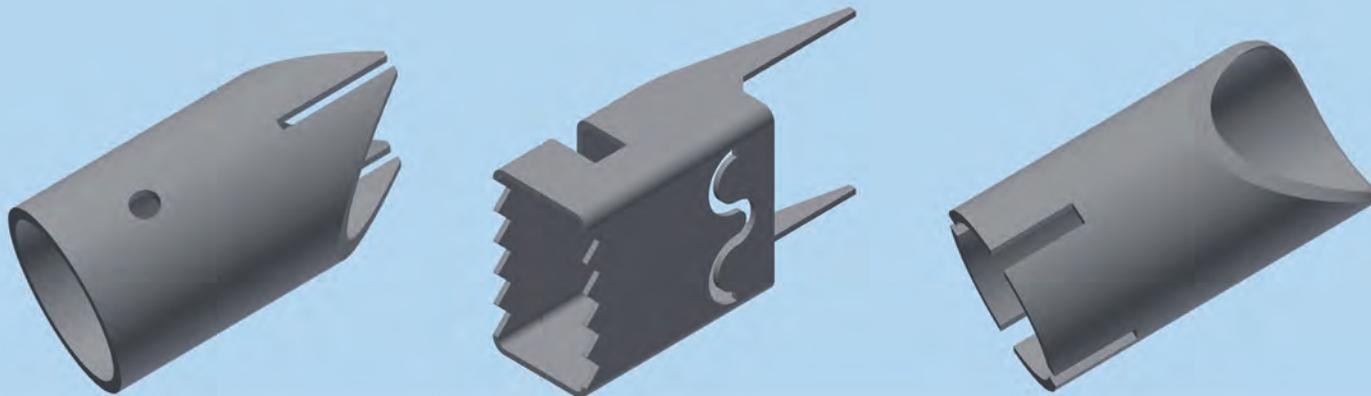


Weld Preparation

Our machines are capable of cutting parts with any weld detail you wish. Save up to 30% in welding and fit up times in comparison to hand cutting and prepping. Our profiling and weld preparation service allows our customer to focus on their primary process welding.

Our machines incorporate all kinds of functionality allowing a variety of bevels and shaped interfaces. Qualified welders are rare and valued, we aim to let welders do what they are good at - welding.





CAD

Using our advanced software and extensive experience we are able to nest the complete project into the available material. We can then advise you on the exact lengths to purchase, resulting in improved yields and extensive cost savings.

We can also provide you with full traceability from any part of the project back to an individual tube using our Unique Identification Number (UIN) and heat / cast number transfer. Parts can be hard stamped on request with centre line to aid in the fabrication of the project.

Certifications

ISO 9001

BS EN 1090



PROCESSING®

Materials Processing & Manufacturing

We have over 40 years of experience, delivering complex materials processing and manufacturing solutions, which makes us fully equipped to meet any of your manufacturing requirements.

We operate from leading processing facilities in central Manchester that have the latest press braking technology.

Our approved welding procedures, as well as edge prepping and non-destructive testing services, makes us a one stop shop for all your processing and manufacturing requirements.

Our dedicated fleet of vehicles can give you a premium delivery service throughout the UK and Ireland.



PP Processing fully embraces PP Group's philosophy of constant innovation, supported by ongoing investment in the latest processing technology. In addition, automation is at the heart of everything we do at PP Processing and as a Group.

Press Braking

Up to 6000 mm x 750 tonne

Typical components:

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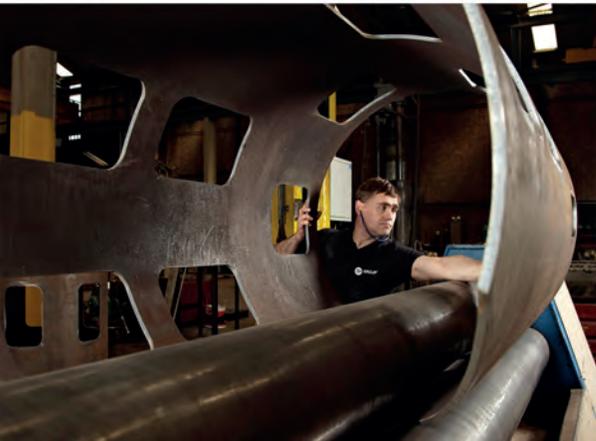
Plate Rolling

Roll sizes:

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- Fastwerk – 3 roll pinch rolls 1000 mm x 3 mm
- Two Gulco bevelling machines up to 25 mm stainless / carbon steel
- Five to 20 tonne crane capacity

Benefits:

- Stitch cutting to aid assembly
- Ability to remove stitch cuts if required
- Edge prepping prior to rolling to give welding ready components
- Pre-bending rolls which reduce the need for scrap on both ends



“P.P. Processing's advanced facilities and machinery enabled us to successfully manufacture a very complex baggage shield that weighed 76 tonnes for Heathrow Airport Terminal 5.”

Edge Prepping

Capabilities:

- Bevel angles: 22.5°, 30°, 37.5°, 45° and 55°
- Minimum plate thickness - 6 mm
- Maximum plate thickness - 50 mm

Maximum bevel depths:

- 22.5° - 25 mm carbon steel / 20 mm stainless steel
- 30° - 25 mm carbon steel / 20 mm stainless steel
- 37.5° - 20 mm carbon steel / 16 mm stainless steel
- 45° - 18 mm carbon steel / 15 mm stainless steel
- 55° - 15 mm carbon steel / 12 mm stainless steel

Benefits:

- One stop shop for your processing requirements due to edge prepping
- Capable of giving nose or feathered edges
- Save your valuable time by getting an edge ready for welding

Welding

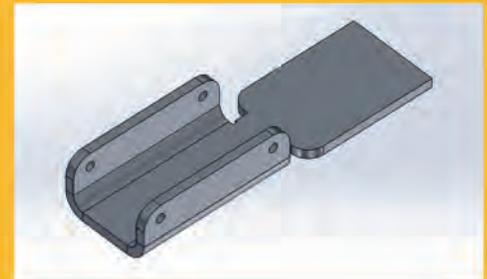
- MAG
- MIG welding up to 550 amps
- TIG welding up to 375 amps
- MMA welding up to 375 amp
- Submerged arc column and boom 3.5 mts x 3.5 mts
- Genset 320 amps
- Arc air gouging
- Welders qualified to BS EN 287 and 288
- Coded welding to ASME IX and BS EN 15614 Part 1

Benefits:

- Use of cylinder rotators and manipulators to meet any of your welding requirements
- Capable of going beyond a standard welding service, so you get the complete solution to all your welding requirements

Our Development Services

Using various software programs such as Autodesk®, AutoCAD® and SolidWorks®, enables us to accurately create customers' drawings from complex formed and fabricated developments. Both standard and complex transitional pieces can be developed accurately and efficiently. Using a number of file formats such as DXF, DWG, SLDPRT, IPT and STEP files; we are able to import your drawings, ensuring accuracy to your design.





Non-Destructive Testing

Hydro testing:

For testing all welds to a given pressure

Dye penetrant testing:

A process to identify surface faults in welding.

The process is as follows:

- Grind / wire brush the area to be tested, apply dye penetrant
- Remove dye penetrant with dye pen remover
- Cover the area that needs to be tested with developer and wait to see if any of the dye pen shows through. Should the dye show through, it will identify any faults that need to be ground out. However, if nothing is showing through, clean the remover and repeat after each weld.

Certifications

ISO 9001



PLASMA[®]

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