

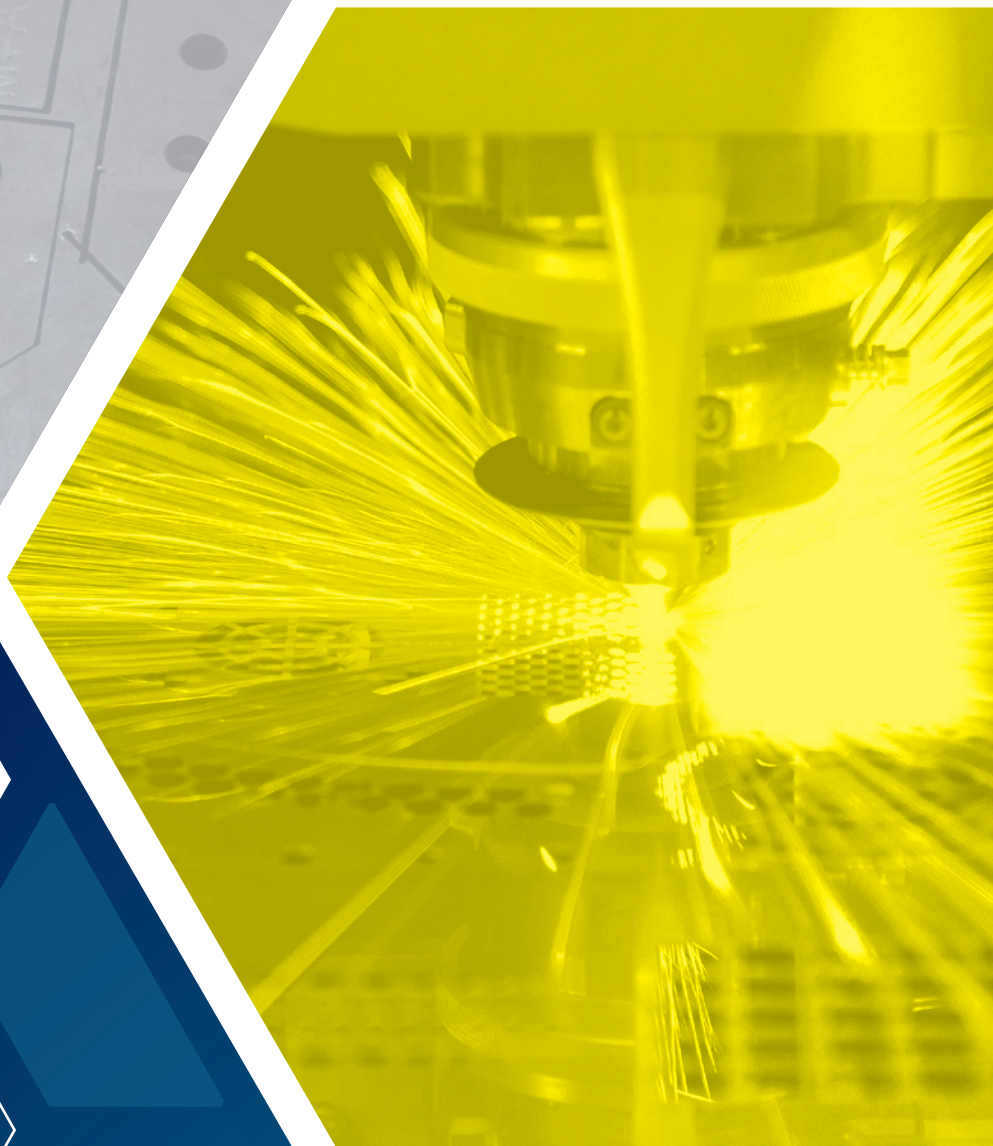


ParkerSteel

FLAT PRODUCT PROCESSING SOLUTIONS

☎ 01227 783 444

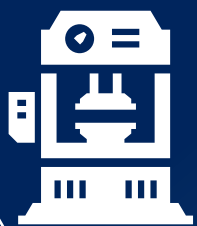
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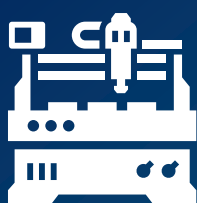
DISC LASER



FOLDING



PLASMA



TUBE LASER



DRILLING

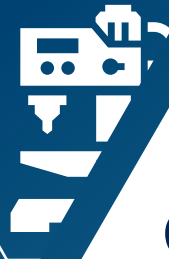


PLATE
PROCESSOR



CE EXECUTION CLASS 4

Innovative Technology
for Speed, Precision &
Cost Effective Processing

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HIGH QUALITY LASER CUTTING

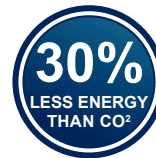
PARKERSTEEL MAKING THE JUMP TO LIGHTSPEED

Meet our cutting edge technology. At the heart of our new laser system are the two Trumpf 5040 fiber disc lasers, each using 8kW solid state disc laser sources which transmit the laser light to the cutting head by a fiber optic cable. They feature Trumpf's highest power fiber disc laser on their fastest positioning flat-bed machine chassis, cutting 5 times faster than traditional CO₂ cutting.



Integrated Storage

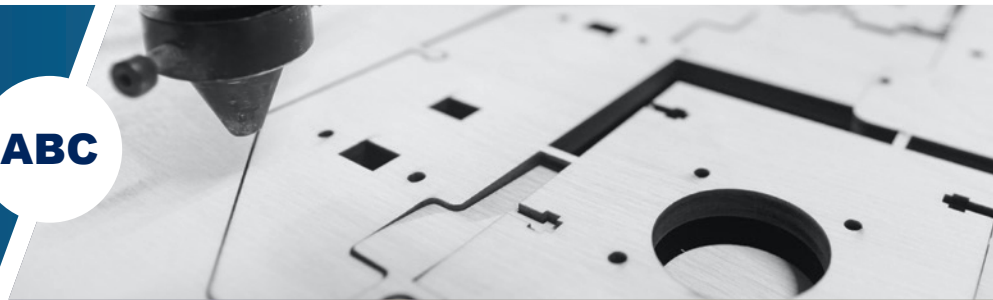
The integrated storage towers detect material types and autonomously feed the two laser machines with the required metal. This reduces the level of human interaction in the process and speeds up loading times.



Etching

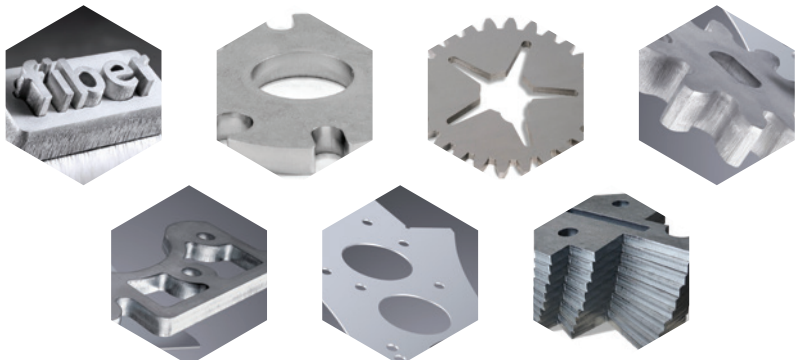
With reduced dross this is a cleaner method of marking parts and locations, whilst speeding up identification and providing pin-point measurements for improved accuracy.

ABC



Machine Specification

Machine Specification	Size
Max. Length	4000mm
Max. Width	2000mm
Produced Part Dimensions - Internal & External	+/- 0.2mm
Produced Part Positional Accuracy of Marking / Between Holes	+/- 0.2mm
Mild Steel	25mm
Stainless Steel	40mm
Aluminium	25mm
Copper	10mm
Brass	10mm



File Formats
DXF, DWG, DSTV (NC files), IGES

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HYDEFINITION PLASMA CUTTING

STEELWORK FITTINGS MADE EASY

Our 8 Viper dual head plasma machines at Canterbury produce steelwork fittings quicker and at a lower cost. The dual 400 Amp plasma head configuration speeds production up by allowing steel to be cut from both ends and meeting in the middle.



HyDefinition CNC Cutting

Our new Esprit Viper plasma machines are equipped with Hypertherm's patented SureCut™ & TrueHole® technology. This technology produces a consistently exceptional cylindrical cut which can be used throughout the construction industry.

8
400 AMP
CUTTING
HEADS

500
TONNES
OF FITTINGS
A WEEK

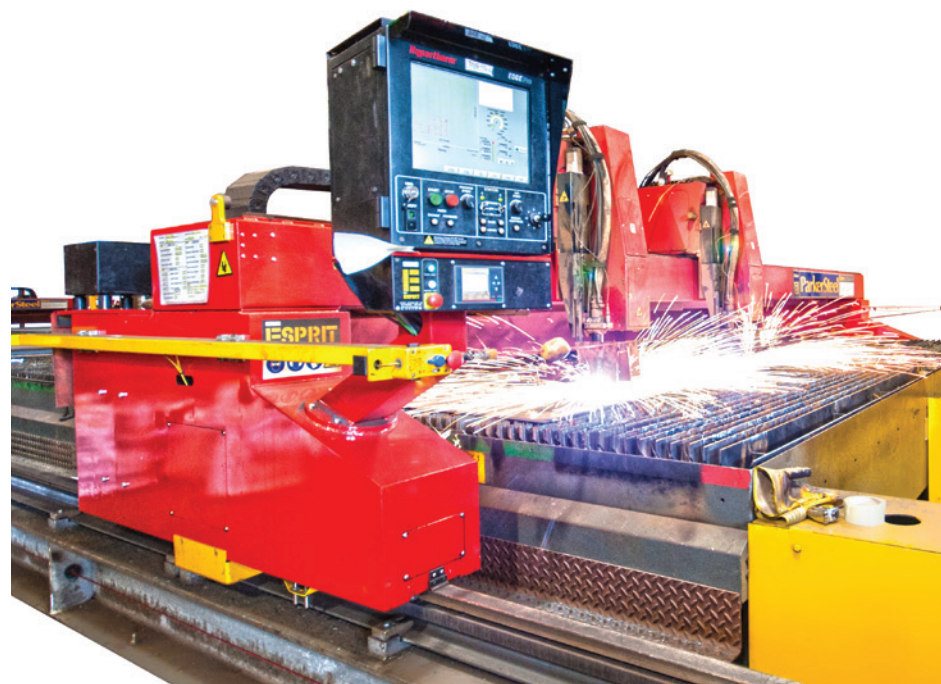
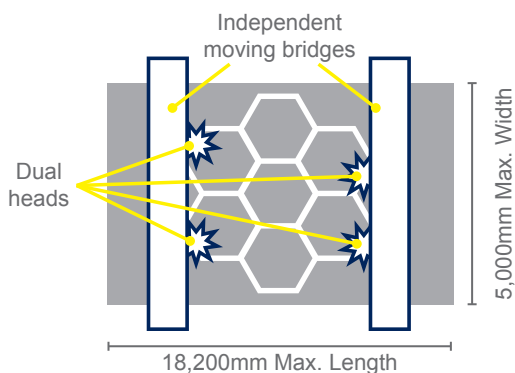
25,000
FITTINGS
A WEEK

18.2m
LONG
CUTTING
BED

**ETCHING
CAPABILITY**

**HARD
STAMPING**

**MULTIPLE
MACHINES
FOR ENHANCED
RELIABILITY &
CAPACITY**



Machine Specification

Machine Specification	Size
Max. Length	18200mm
Max. Width	5000mm
Min. Thickness	6mm
Max. Thickness	80mm
Produced Part Dimensions - Internal & External	+/- 2mm
Produced Part Positional Accuracy of Marking / Between Holes	+/- 2mm



File Formats

DXF, DWG, DSTV (NC files).

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LARGE AREA PLATE PROCESSING CENTRE

THE ALL IN ONE SOLUTION

The Gemini is an oxy profiling, plasma, vertical drilling, milling and tapping system with countersink and counter-bore capabilities. This produces flat metal parts in one set-up, with one machine and accuracy that is better than or equal to separate machines.



12m
LONG

UP TO 80mm
THICK METAL

350
TONNES A WEEK

3
CUTTING HEADS

CNC
CONTROL & ACCURACY

MULTI
FUNCTION

TRUE
HOLE

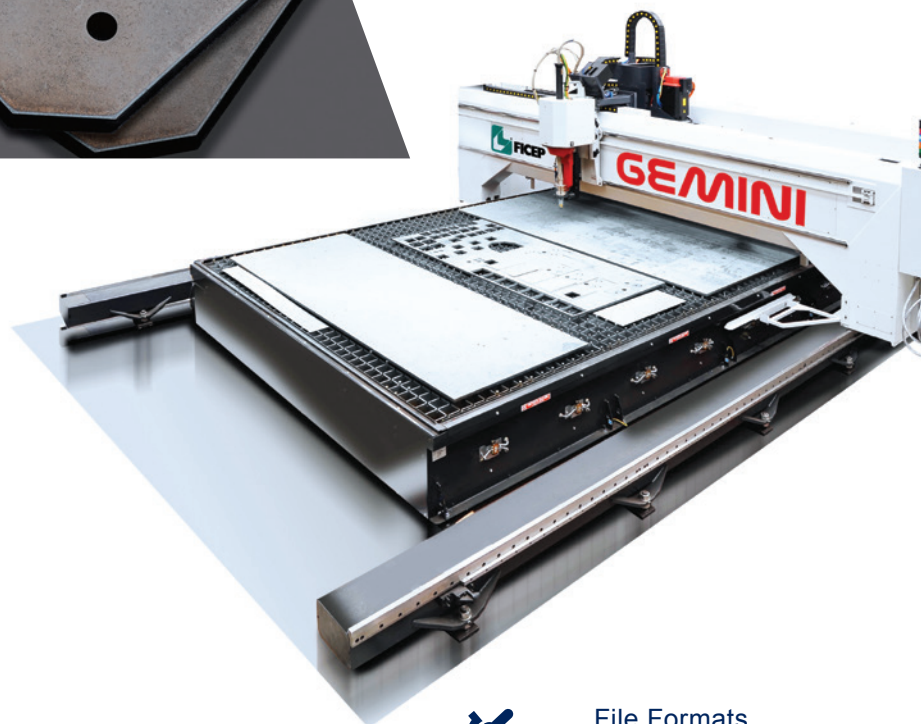
TOOL
CHANGER

MULTIPLE
MACHINES FOR ENHANCED RELIABILITY & CAPACITY



Oxy Profiling

We have multi head machines with 4 cutting heads that are capable of processing up to 80mm thick mild steel on a 12m x 4m cutting bed.



Cutting Spec

Size

Max. Drilled Hole Dia	32mm
Max. Plate Thickness	80mm
Plasma	5mm - 30mm
Profile	20mm - 80mm
Plate Cutting	5-80mm thick
Drilling	6-32mm dia
Helical Milling	240mm dia
Helical Tapping	240mm dia
Countersinking	6-32mm dia
Counter-boring	240mm dia
Tap	M14 - M40
Scribing	12 characters



File Formats

DXF, DWG, DSTV (NC files).



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DRILLING, MILLING & COUNTERSINKING

COST EFFECTIVE PLATE PROCESSING

As a progressive and forward thinking company, we are constantly looking to offer new processing solutions. Our new FG2000 Vernet Behringer Heavy Duty Plate Processing Centres are a highly versatile and cost effective solution to plate processing.



Treadplate Countersinking

Our versatility allows us to offer a full service facility, outperforming others whilst providing unique advantages such as **countersinking durbar plates**.



Machine Specification

Size

Capacity	2000 x 1000mm
Min. Thickness*	5mm
Max. Thickness	60mm
Disc Marking Unit	25 characters
Drilling Unit	Yes
Max. Drilling Diameter	50mm
V-scoring Fast Scribing	Yes
Deburring	Yes
Max. Plate Weight	650 kg

* For machine referencing we need 1 x 90° corner on a part



File Formats

DXF, DWG, DSTV (NC files).



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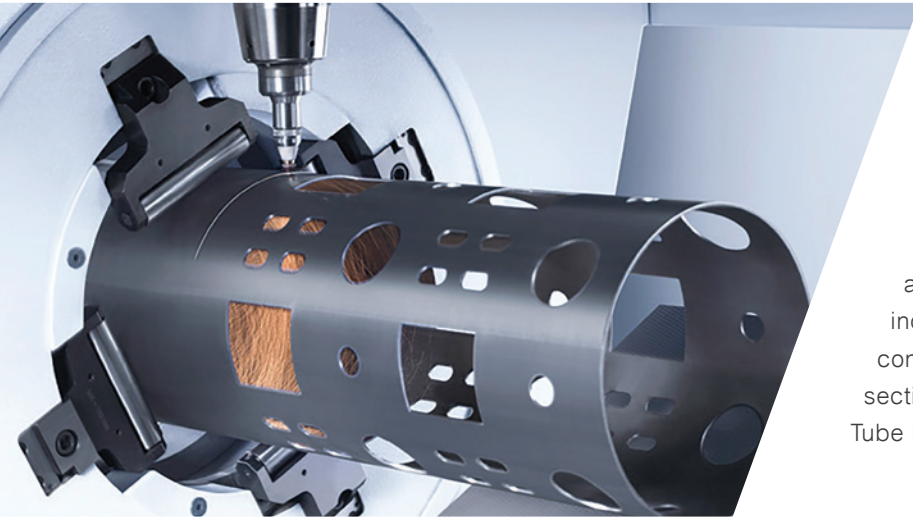


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TUBE LASER CUTTING








HIGH PERFORMANCE TUBE PROCESSING

Using fully automated tube laser processing for square, rectangular and circular hollow sections provides maximum flexibility with optimum precision for cutting complex contours, notches, holes or slots.



Applications

Tube laser cutting can aid production and fabrication of tubing in a range of applications and used in practically any industry. From automotive to construction - if you use hollow section you can benefit from our Tube Laser!

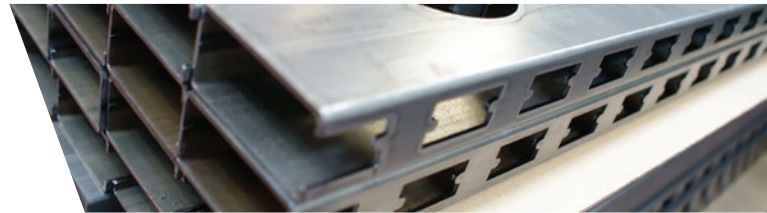
-  Notches
-  Contours
-  Cut-outs
-  Holes
-  Slots
-  Etching
-  Mitres

90%
FASTER



SCRATCH
FREE

UP TO
6.5m
LONG
METAL

3D
CUTTING



TRULASER TUBE 5000

Hollow Section	Min.	Max.
	15 x 15mm	100 x 100mm
	15 x 15mm	120 x 80mm
	20mm	152mm

Material	Thickness
Mild Steel	6mm
Stainless Steel	5mm
Aluminium	4mm

Other Information	
Max. Load Weight	20kg/m
Max. Load Length	7.5m
Max. Processed Length	6.5m
Clamp Allowance	150mm



GOLDEN LASER P3080A

Section	Min.	Max.	Thickness
	20 x 20mm	200 x 200mm	8mm
	25 x 20mm	250 x 200mm	8mm
	20mm	300mm	8mm

Note: Currently only available with mild steel. Limited to max. 25kg/m - may not be suitable for all products.

Other Information	
Max. Load Weight	25 Kg/m
Max. Load Length	8.5m
Max. Processed Length	7.5m
Clamp Allowance	220mm

 **File Formats**
DXF, DWG, DSTV (NC files).

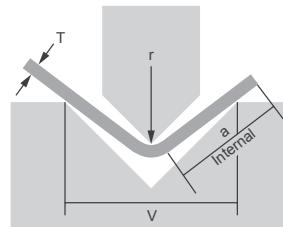
PRECISION FOLDING

PROCESSED BENDING FOR ACCURATE ANGLES

Our two Bystronic folding machines work in tandem allowing parts to be folded up to 8000mm in length. Whether you require a one off or thousands of the same part, these machines can fold with precision, giving reliable standards of repeatability.



- 8m**
FOLD LENGTH OF
10MM THICK MILD
STEEL PLATE*
- 640**
TONNES
SYSTEM
- 2**
BREAK
PRESSES
- MULTIPLE
MACHINES**
FOR ENHANCED
RELIABILITY &
CAPACITY



T = Thickness
r = Inner material radius
a = Minimum dimension of flange
V = Width

Accurate Angles

Using CNC technology ensures accurate angles can be achieved for reliable repeatability across your fabrication project. This controlled method results in precision, improved lead times and a more cost effective solution.



Length of Material	Length of Fold	V Size
8mm	8m	100
10mm	7.5m	100
12mm	6m	120
15mm	4m	150
20mm	2.5m	230

At 90° angle

Internal Rad	1	1.2	1.6	2	2.5	2.8	3	3.5	3.5	5	5.5	6	8	9.5	10	12	15.5	19	21	23	24.5	26	28	30	32	36	40	45	50			
V Size	6	8	10	12	16	18	20	24	25	32	35	40	50	60	63	80	100	120	130	140	150	160	180	190	200	230	260	290	320			
0.5	2.7																														ton	
0.8	7	5.1																													ton	
1	10.7	8	6.4																												ton	
1.2		12	9.2	7.7																											ton	
1.6			16.5	13.7	10.2																										ton	
2				21.5	16	14.2	12.8	11																							ton	
2.5					25	22.1	20	17	16	12.5																					ton	
3							30	24	23	18	16.5	14.4																			ton	
4									42	32	30	26	21																		ton	
5										50	46	43	32	27																	ton	
6												60	46	39	35																ton	
8													82	69	66	51	41														ton	
10																104	80	64	53	49	46										ton	
12																	120	92	77	71	66	62	58								ton	
16																		136	126	117	109	102	91	86	82						ton	
18																				148	138	130	115	109	104	90	80	72			ton	
20																							142	135	128	111	99	89	80			ton

Air Bending Chart

Tonnes required for air bending material of tensile strength = 42kg/mm² one metre long, with a thickness (t), and inner material radius (r).

Minimum dimension of flange (a) and V width (v) are also shown.

Calculations are based on tensile strength of 42kg/mm² - mild steel.

To calculate 60kg/mm² - stainless steel - increase tonnage by 40%.

To calculate 30kg/mm² aluminium - decrease tonnage by 30%

Rule of Thumb

Up to 6mm. Vee Width = 8 x Material Thickness
Above 6mm = 10 x Material Thickness

*Using a stand V80 and pry top tooling

File Formats
DXF, DWG, DSTV (NC files).

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ONLINE SERVICE

Stock Range

Browse our complete stock range,
view stock levels & lead times

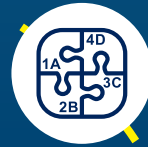
Live Vehicle Tracking

Track your material on
the day of delivery



Custom Part Numbers

Assign part numbers to
regularly used stock or
processed parts



Live Pricing

We continuously
track prices to
make sure our
site is always up
to date



Document Store

Your own personal
storage facility
for all important
documents



Orders & Enquiries

Quickly price enquiries
and place your orders



Invoices & Statements

Keep your books up to
date with instant access
to all your invoices &
statements



Free Next Day Delivery

On all online orders*



24/7 Test Certificates

Get instant access to
vital test certificates



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future today**
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OVER
10000
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STOCK

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