

**Kjellberg**  
CUTTING

PLASMA CUTTING

SMART  
FOCUS



## Smart Focus Pure Energy

**Smart Focus 130, 200, 300, 400**  
Plasma cutting from 0.036 to 4 inches

[kjellbergcutting.com](http://kjellbergcutting.com)

# Plasma Cutting up to 4 inches



### Advantages

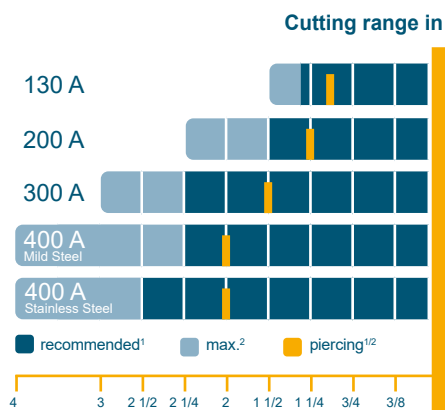
- Highest cutting quality
- High cutting speed
- High perpendicularity tolerance
- User-friendly & easy to service
- Low costs per cutting foot

### Simply good cutting

With just a few settings the compact plasma cutting units of the Smart Focus series achieve excellent results in the cutting range from 0.036 to 4 inches – even under most challenging conditions. The Smart Focus units can also be used for marking, bevel and underwater cutting.

### Mild steel cutting with Contour Cut & Silent Cut

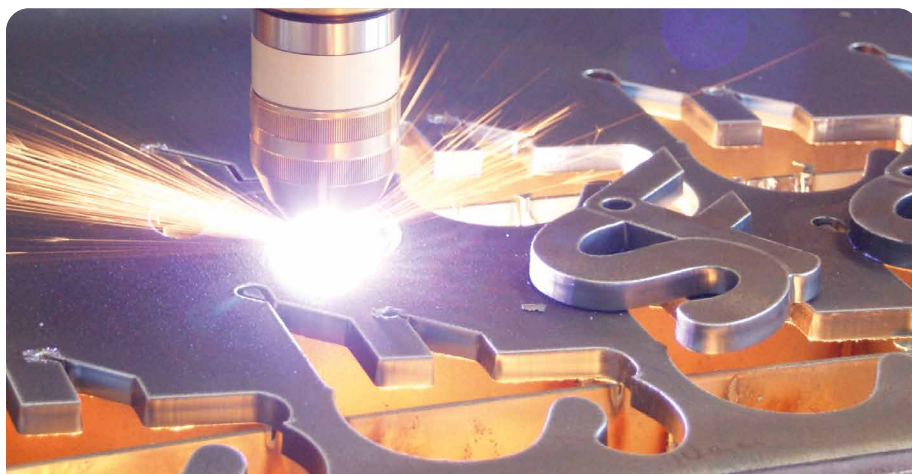
With the well-proven Contour Cut technology small contours, narrow webs and holes with a diameter to material thickness ratio of 1:1 can be cut with excellent quality in mild steel. Contour Cut Speed allows the cutting of contours with a speed that is up to 50 % faster. As a further development of Contour Cut the new Silent Cut technology reduces the sound pressure level by up to 15 dB(A) during cutting in the cutting range from 60 to 160 A. This is made possible by new consumables and the use of the Silent Cut cutting database, while maintaining similar cut quality.



contour cut

contour cut  
SPEED

silent CUT



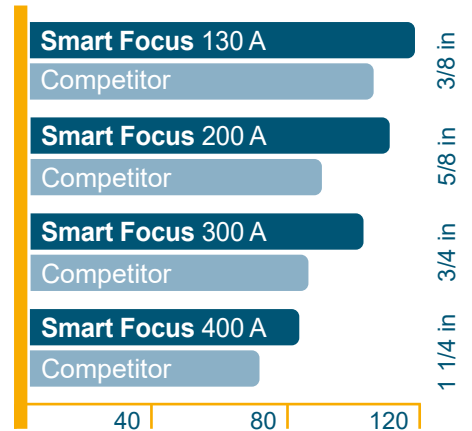
# Modern Components

## Torches & gas control – intelligent redevelopment

Either manual or automated gas supply units are available for the Smart Focus series. With these the user achieves best cutting results with highest, reproducible quality. The manual gas supply unit PGE-300 now allows for plasma cutting with air as plasma gas.

The new torch PerCut 4000 has been improved compared to the preceding models. They provide precise cuts and highest cutting speeds. Their unique cooling system up to the torch tip guarantees longest consumable life and reduces the gas consumption and costs per cutting foot.

Cutting speed in/min, mild steel<sup>1</sup>



<sup>1</sup>Based on conversions from metric values

Torches	PerCut 4000
Quick-change head	PerCut 4000
Clamping diameter	2 in   50.8 mm
Plasma gases	O <sub>2</sub> , Ar/H <sub>2</sub> , N <sub>2</sub> , Air
Marking gases	Ar, N <sub>2</sub> , Air
Swirl gases	O <sub>2</sub> , N <sub>2</sub> , F5 <sup>3</sup> , Air

<sup>3</sup>Forming gas F5 (95 % N<sub>2</sub>, 5 % H<sub>2</sub>)



PerCut torch: also for bevel cutting up to 50°



Consumables with long lifetime



Gas supply manual: PGE-300, automated: PGV-300

## Application areas

Metal construction & engineering

Job shop production

Structural steel fabrication

Plant & tank construction

Commercial vehicle & crane construction

Pipeline & ventilation construction

Shipbuilding & automotive engineering

Technical data	Smart Focus 130	Smart Focus 200	Smart Focus 300	Smart Focus 400
Mains voltage <sup>1</sup>	3 x 480 V, 60 Hz			
Fuse, slow	50 A	80 A	125 A	180 A
Connected load	max. 28 kVA	max. 51 kVA	max. 79 kVA	max. 116 kVA
Cutting current	35 - 130 A	35 - 200 A	35 - 300 A	35 - 400 A
Marking current	10 - 50 A			
Duty cycle <sup>2</sup>	100 %			
Dimensions (LxWxH)	40.55 x 22.44 x 49.61 in 1030 x 570 x 1260 mm		40.55 x 26.77 x 57.09 in 1030 x 680 x 1450 mm	
Mass	587 lb 266 kg	855 lb 388 kg	1076 lb 488 kg	1241 lb 563 kg

<sup>1</sup> Other voltages and frequencies on request



<sup>2</sup> Ambient temperature 104° F

20|03|22

### Extract from operating data<sup>3</sup>

Thickness in	Mild steel		Stainless steel		Aluminum	
	A	in/min	A	in/min	A	in /min
0.036	35	102	55	217	55	177
0.075	35	63	55	157	55	157
3/16	60	122	55	79	55	106
1/4	90	146	130	63	130	138
5/16	130	146	130	59	130	55
3/8	130	118	130	55	130	51
1/2	160	134	130	47	130	47
5/8	200	110	200	47	200	59
3/4	200/300	71/83	200/300	33/47	200/300	51/110
1 1/4	200/300	39/47	200/300	24/34	200/300	24/71
1 1/2	300/400	28/47	300/400	22/30	300/400	47/63
2	300/400	16/31	300/400	19/22	300/400	35/47
2 1/4	300/400	8/22	300/400	16/19	300/400	22/39
2 1/2	300/400	6/12	300/400	11/15	300/400	18/31
3	300/400	4/8	300/400	10/13	300/400	16/24
4	400	6	400	7	400	10

<sup>3</sup>Based on conversions from metric values

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