

Kjellberg
CUTTING



iQ-SERIES

MORE POWER.
MORE USABILITY.
MORE CONTROL.



PLASMA CUTTING 0.018 - 5 1/8 IN

iQ-Series

THE POWER OF MORE

With the iQ-Series, Kjellberg Finsterwalde continues to innovate with next-generation plasma technology.

The plasma cutting systems of the **iQ-Series** stand for proven cutting quality and advanced technology. They enable precise cutting up to 5 1/8 inches, precise contours and high-quality holes, bevel cutting, as well as versatile applications such as marking, notching or center marking.

The modular design of the iQ-Series allows flexible adjustment of cutting performance to meet growing production requirements. Digital condition monitoring guarantees maximum utilization of consumable while maintaining high cutting quality. High cutting speeds ensure greater efficiency and low cost per cut length. Automation capability and eService make these plasma cutting systems a future-proof solution.

The iQ-Series revolutionizes industrial production and sets new standards:

More Power

- ✓ Piercing up to 2 3/4 inches
- ✓ Plasma cutting with oxygen as well as argon/hydrogen up to 450 A
- ✓ Extended application range

More Usability

- ✓ Modern and clearly structured software
- ✓ Intuitive handling
- ✓ Simple integration via EtherCAT or RS-485
- ✓ Smart upgrade possibilities
- ✓ Process data available in real time in Q-Desk
- ✓ Remote monitoring and updates in the integrated Kjellberg eService



Q-TORCH

MORE

POWER | USABILITY | CONTROL

More Control

- ✓ Continuous machine monitoring in real time
- ✓ Efficient utilization of consumables
- ✓ Predictable tool changes
- ✓ Reduced scrap and machine downtime
- ✓ Intelligent gas control
- ✓ Stable cutting results through Smart MassFlow technology
- ✓ Consumable condition monitoring visualized in Q-Desk

More Automation

The optional Q-Torch Auto Change System automates plasma cutting and ensures safe and predictable torch head changes without manual intervention. Downtime is reduced and process errors are avoided. The QT Changer, Q-Torch and QT Docks form a powerful unit.

The iQ-Series combines innovation, reliability and automation to ensure **increased efficiency** in every cutting process.



Q-TORCH AUTO CHANGE SYSTEM




Q-DESK



Technical data	iQ 1500 iQ 1500 plus		iQ 3000 iQ 3000 plus		iQ 4500	
Cutting current at 100 % d.c. ¹	20 - 150 A		20 - 300 A		20 - 450 A	
Marking current at 100 % d.c. ¹	5 - 60 A					
Cutting ranges	iQ-Gas O ₂	iQ-Gas	iQ-Gas O ₂	iQ-Gas	iQ-Gas O ₂	iQ-Gas
Mild steel	0.018 - 1 5/8 in		0.018 - 2 3/8 in		0.018 - 2 3/4 in	
Recommended	2 3/8 in		3 1/8 in		4 3/4 in	
Maximum	1 3/8 in		2 in		2 3/4 in	
Piercing						
Stainless steel	1 5/8 in		2 3/8 in		2 3/8 in	
Maximum	1 in		1 1/4 in		1 1/4 in	
Piercing						
Aluminum	1 5/8 in		2 3/8 in		2 3/8 in	
Maximum	1 in		1 5/8 in		1 5/8 in	
Piercing						
Plasma gases	O ₂ , N ₂ , Air					
iQ-Gas O ₂	O ₂ , N ₂ , Air, Ar, H ₂ , F5 ²					
iQ-Gas	O ₂ , N ₂ , Air, Ar, H ₂ , F5 ²					
Marking gases	Ar, N ₂ , Air					
Dimensions (LxWxH)	45.28 x 27.36 x 59.45 in					
Weight	529/619 lbs		657/701 lbs		783 lbs	
Fuse, slow	63 A		125 A		180 A	
Max. Connected load	35 kVA		72 kVA		109 kVA	
Protection class	IP 21S					
Mains voltages	380 - 400 V, 50/60 Hz					
	415 - 440 V, 50/60 Hz					
	440 - 480 V, 50/60 Hz					

¹ Ambient temperature 40 °C

² Forming gas F5 (95 % N₂/ 5 % H₂)

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