

Kjellberg
CUTTING



iQ-SERIES

MORE POWER.
MORE USABILITY.
MORE CONTROL.



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 Recommended Maximum Piercing	0.018 - 1 1/2 in 2 1/4 in 1 1/4 in		0.018 - 2 1/4 in 3 in 2 in		0.018 - 2 1/2 in 4 3/4 in 2 3/4 in	
Stainless steel Maximum Piercing	1 1/2 in 1 in	2 1/4 in 1 1/4 in	2 1/4 in 1 1/4 in	3 in 2 in	2 1/4 in 1 1/4 in	5 in 2 in
Aluminum Maximum Piercing	1 1/2 in 1 in	2 1/4 in 1 1/2 in	2 1/4 in 1 1/2 in	3 in 2 in	2 1/4 in 1 1/2 in	4 3/4 in 2 1/4 in
Plasma gases iQ-Gas O ₂ iQ-Gas	O ₂ , N ₂ , Air O ₂ , N ₂ , Air, Ar, H ₂ , F5 ²					
Swirl gases iQ-Gas O ₂ iQ-Gas	O ₂ , N ₂ , Air O ₂ , N ₂ , Ar, Air, F5 ²					
Marking gases	Ar, N ₂ , Air					
Dimensions (LxWxH)	45.28 x 27.36 x 59.45 in 1150 x 695 x 1510 mm					
Mass	240/281 kg		298/318 kg		355 kg	
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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Subject to change without prior notice.

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 inches, exact contours and precise holes, bevel cutting, as well as versatile applications such as marking, notching or punching.

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 costs per inches cut. 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 range of applications

More Usability

- ✓ Modern and clearly structured software
- ✓ Intuitive handling
- ✓ Simple integration via EtherCAT or RS485
- ✓ 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
- ✓ Reliable cuts thanks to Smart MassFlow technology
- ✓ Consumable condition monitoring visualized in Q-Desk

More Automation

The innovative Q-Torch Auto Change System automates plasma cutting and ensures safe and predictable torch head changes without manual intervention. Downtime is reduced and application 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 **more efficiency** in every cutting process.



Q-TORCH AUTO CHANGE SYSTEM



Q-DESK

