LORCH INDUSTRIAL MIG/MAG

iQS SERIES

iQS 3 / iQS 5



320 A OR 400 A AT 60% DUTY CYCLE

A production MIG/MAG platform for steel, stainless steel and aluminium. Specify the power source, feeder layout, cooling and process package around the work you run.

Explore the Lorch iQS range

67–69 Quayside Road, Southampton SO18 1AE

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PRODUCTION WELDING

Control At The Joint

The iQS pairs a new inverter and Smart Process Control with Lorch’s synergic programs. The operator can see the key parameters from the welding position.



Smart Cockpit

A 7-inch colour display and glove-friendly controls make it easier to select the job, adjust the arc and check retained values after welding.

Smart Process Control

Choose the program for wire, shielding gas and joint requirements. The inverter regulates the arc as conditions change during welding.

Lorch Connect

Built-in WLAN links compatible systems to Lorch Connect for recording and viewing welding data. Confirm account and network requirements.

Lorch iQS in production at Amafilter

A Production Trial

Use a representative workpiece and a joint that is difficult to weld. Compare arc behaviour, rework and finishing time with your existing process.

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PROCESS SELECTION

Match The Arc To The Joint

Specify the processes and synergic lines needed for your materials, joints and welding positions when requesting a package.





7-inch Smart Cockpit

Process or function	Where to consider it
Synergic MIG/MAG	General production welding with matched wire, gas and material programs.
SpeedArc / SpeedArc XT	Focused arc for production joints where penetration and travel speed matter.
SpeedPulse XT	Pulsed transfer for jobs where spatter control and deposition rate matter.
Twin function / SpeedTwin	For applications where bead appearance and controlled heat input matter.
SpeedRoot	Root passes where the procedure calls for controlled bridging of the gap.
SpeedUp	Vertical-up seams. Compare performance on your own joint and fit-up.
SpeedCold	Thin sheet where heat input and distortion are priorities.

Confirm the process package and the available material, wire and gas combinations on the quote. Validate the setup against the welding procedure.

Lorch iQS process and equipment brochure

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MACHINE COMPARISON

iQS 3 & iQS 5

Choose on sustained output. Both models are available in compact and separate-feeder configurations.



A system · integrated feeder



B system · MF-09 separate feeder

Specification	iQS 3	iQS 5
MIG/MAG welding current	25–320 A	25–400 A
60% duty cycle at 40 °C	320 A	400 A
100% duty cycle at 40 °C	220 A	300 A
Published MIG/MAG voltage range	15–30 V	15–34 V
Mains, 50/60 Hz	3-phase 380–480 V	3-phase 380–480 V
Mains fuse / plug	32 A slow-blow / CEE 32	32 A slow-blow / CEE 32
Wire drive / protection	Four driven rolls / IP23S	Four driven rolls / IP23S
Weldable materials	Steel, stainless steel, aluminium	Steel, stainless steel, aluminium

Package size, weight and wire range depend on the chosen build and wire setup. Ask for dimensions and supply details on the quotation.

Lorch iQS 5 technical datasheet

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SYSTEM CONFIGURATION

Specify Your Package

Start with the work envelope and the duty cycle. Then select the torch, cooling, wire setup and data options.



MF-09 with spool housing open



iQ LMS Performance torch



Premium WUK cooling module

Package choice	What to specify
A system	Compact mobile machine with integrated feeder. Suits work within reach of the power source.
B system · MF-09	Detachable feeder for large components or restricted access. Confirm interconnection length and feeder mounting.
Gas or water cooling	Match cooling to torch load and weld time. Lorch lists a Premium WUK option with 1.5 kW cooling capacity.
Torch and connection	Specify the iQ LMS Performance torch or the appropriate connection option. Confirm cable length, neck and wear parts.
Feed path and wire	Specify material and diameter so the package has the correct rolls, liner, contact tips and synergic programs.
Data and jobs	Confirm network access, data capture and the jobs or parameter controls operators need.

Request A Configured Quote

Give the model, A or B layout, cooling, torch and reach, wire sizes and materials, and the processes you need. The final package reference depends on those choices.

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APPLICATION REVIEW

Book a Welding Demonstration

Evaluate the iQS on a representative workpiece before specifying your production package.



Demo preparation	Details
Joint and material	Base metal, thickness, fit-up, position and access.
Current setup	Process, wire, shielding gas and duty cycle.
What to measure	Arc time, total time per part, cleaning or rework, and bead acceptance.
What to take away	A recommended iQS build and a quote matched to your production work.

Talk To R H Davey

Call R H Davey on **023 8033 9443** or email **sales@rhdaveywelding.co.uk** to discuss your application and request a configured quote.

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