THE LORCH MULTIPROCESS RANGE

MicorMIG

ONE PLATFORM. ROOM TO GROW.

Workshop power. Mobile flexibility.
Processes that evolve with your work.



300 / 350 / 400 / 500A

CONFIGURE IT FOR YOUR PRODUCTION.

MicorMIG brings synergic MIG-MAG, TIG and electrode capability into a configurable inverter platform. Choose the output, control panel, cooling and feeder arrangement for your workshop, then add process and function upgrades as your applications develop.

WORKSHOP SERIES

300, 350, 400 and 500A sources in compact and feeder-case configurations.

MICORMIG MOBILE

300 and 350A in a compact, 35kg unit with ControlPro operation.

UPGRADE PATHWAY

NFC cards add processes, welding programmes and functions without replacing the platform.

YOUR RANGE GUIDE / Machines 02 / Controls 03 / Processes 04 / NFC 05 / Mobile 06 / Specifications 07 / Packages 08

R H DAVEY WELDING SUPPLIES LTD
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YOUR MACHINE. YOUR FORMAT.

WORKSHOP & MOBILE / COMPACT & SEPARATE FEEDER / GAS & WATER COOLING



FOUR WORKSHOP OUTPUTS. TWO MOBILE OPTIONS.

Range	Models	MIG-MAG current range	Primary format
MicorMIG workshop	300 / 350 / 400 / 500	25-300A / 25-350A / 30-400A / 30-500A	Compact or feeder-case system
MicorMIG mobile	300 / 350	25-300A / 25-350A	Compact mobile source

COMPACT WORKSHOP

Integrated wire feeding keeps the system together for work around the fabrication shop.

FEEDER-CASE SYSTEM

A separate wire feeder can be positioned closer to large assemblies or awkward joints.

COOLING CHOICE

Workshop systems offer gas- or water-cooled configurations to suit the torch and workload.

SPECIFY THE WHOLE SYSTEM.

Output, controls, feeder, torch, cooling and working area should be considered together.

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SIMPLE TO START. CONTROL TO REFINE.

BASICPLUS & CONTROLPRO / SYNERGIC OPERATION / THREE-STEP SET-UP





BASICPLUS

Clear introductory operation.

CONTROLPRO

Graphical display and job-store capability.

Synergic welding programmes link the settings together: adjust a welding parameter and the system coordinates the others. Arc dynamics can then be tailored to the joint, position and preferred welding style.

01 / SELECT

Choose material, wire and shielding gas for the application.

02 / SET THE PROCESS

Select the welding process and 2-step or 4-step operation.

03 / ADJUST & WELD

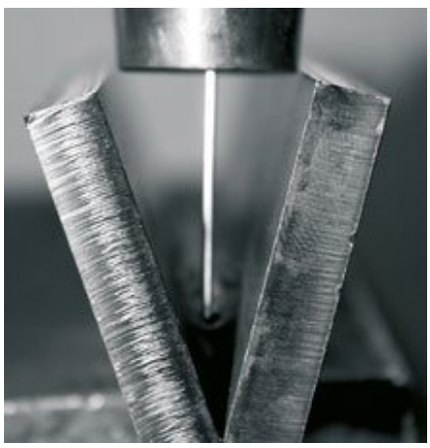
Set the operating point. Fine-tune the arc dynamics when the job requires it.

ARC DYNAMICS THAT SUIT THE TASK.

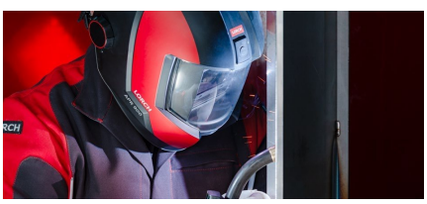
Soft, medium and hard dynamic settings change the arc feel, weld pool and penetration profile while the system manages key parameters in the background.

ADD THE PROCESS YOUR WORK NEEDS.

STANDARD MICORMIG / PULSE UPGRADES / LORCH SPEED PROCESSES







AN UPGRADEABLE PROCESS PLATFORM.

MicorMIG can be upgraded from standard synergic operation to pulse welding and additional process packages. Equipment scope depends on the selected machine and upgrades.

Process / package	What it adds
MicorMIG Pulse	A controllable pulsed arc for steel, stainless steel and aluminium, aimed at reducing spatter and rework.
SpeedArc	A focused, high-intensity arc for penetration and productive welding.
SpeedUp	Support for vertical-up welding without the traditional weaving approach.
MicorTwin	A controlled, regular weld appearance for visible seams on thin and medium sections.
Master of Productivity	Multi-Material + SpeedArc + SpeedUp.
Master of Pulse	Pulse Steel + Pulse Multi-Material + MicorTwin.
Full Process	Combines the Master of Productivity and Master of Pulse packages.

Flux-cored synergic packages extend the range of metal-cored and flux-cored applications. Ask R H Davey to match the process package to your material and joint requirements.

SAVE SETTINGS. SHARE KNOW-HOW.

NFC UPGRADES / JOB TRANSFER / AUTHORISATION / DIGITAL PRODUCTION





A PLATFORM THAT CAN DEVELOP WITH YOU.

NFC technology supports process upgrades, job transfer and personalised access. These functions help keep proven settings available across operators and compatible MicorMIG systems.

PROCESS UPGRADES

Add welding processes, programmes and functions using the appropriate NFC upgrade cards.

JOB MEMORY & TRANSFER

Save up to 100 welding tasks and use NFC job cards to transfer settings between MicorMIG systems.

AUTHORISATION

Personalised cards can limit parameter changes, restrict access or lock the system after work.

LORCH CONNECT

An optional gateway and cloud-service route for recording and analysing welding-production data. Discuss the current hardware and service package with R H Davey.

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MICORMIG PERFORMANCE. ON THE MOVE.

MICORMIG MOBILE 300 & 350 / CONTROLPRO / 35KG





COMPACT FOR SITE, ASSEMBLY & FLEXIBLE PRODUCTION.

MicorMIG mobile carries the platform into a space-saving unit with ergonomic handles for two-person carrying. ControlPro operation and a range of trolley and cooling accessories support stationary and mobile use.

Specification	Mobile 300	Mobile 350
MIG-MAG current range	25-300A	25-350A
Current at 100% duty cycle / 40°C	200A	250A
Current at 60% duty cycle / 40°C	250A	300A
Maximum-current duty cycle	300A at 45%	350A at 45%
Supply / mains tolerance	400V 3-phase / +/-15%	400V 3-phase / +/-15%
Slow-blow mains fuse / plug	16A / CEE 16	32A / CEE 32
Dimensions (L x W x H)	635 x 547 x 310mm	635 x 547 x 310mm
Weight / efficiency at maximum output	35kg / 89%	35kg / 89%

Gas-cooled mobile units with ControlPro. Available accessories include WUK 8 water cooling with Trolley Pro and a heavy-duty trolley.

WORKSHOP POWER. CLEARLY COMPARED.

MICORMIG 300 / 350 / 400 / 500 / MANUFACTURER DUTY-CYCLE RATINGS



Specification	300	350	400	500
MIG-MAG current range	25-300A	25-350A	30-400A	30-500A
Current at 100% duty cycle	200A	250A	300A	370A
Current at 60% duty cycle	250A	300A	370A	430A
Duty cycle at maximum current	45%	45%	45%	45%
Mains voltage	400V 3-phase	400V 3-phase	400V 3-phase	400V 3-phase
Mains tolerance	+/-15%	+/-15%	+/-15%	+/-15%
Slow-blow mains fuse	32A	32A	32A	32A
Gas-cooled compact weight	58kg	58kg	61kg	66kg
Additional filled water-cooling weight	13kg	13kg	13kg	13kg
Efficiency at maximum output	89%	89%	90%	90%

SHARED DIMENSIONS & FEEDER WEIGHT

Configuration	Dimensions (L x W x H) / weight
Compact workshop system	880 x 490 x 885mm
Separate wire-feeder system	880 x 490 x 955mm
Wire feeder	10.6kg

Gas- and water-cooled workshop versions, BasicPlus or ControlPro operation, and compact or feeder-case configurations are available. Package selection determines the finished system weight.

BUILD YOUR MICORMIG WITH R H DAVEY.

MACHINE / CONTROLS / PROCESS PACKAGE / TORCH / FEEDER / COOLING



MF-08 FEEDER

Lightweight, movable and fall-protected.



MF-10 FEEDER

Insulated, full-protection housing for demanding environments.



HEAVY-DUTY CART

Mobility and impact protection for demanding working areas.

START WITH THE WORK YOU NEED TO DO.

Your application	What to discuss with us
Materials & wire	Steel, stainless steel, aluminium, solid or cored wire and shielding gas.
Output & duty	Material thickness, required current, welding time and available mains supply.
Working area	Compact or mobile unit; integrated or separate feeder; cable and hose reach.
Operator controls	BasicPlus or ControlPro, job recall and parameter access.
Process & equipment	Pulse and Speed upgrades, torch choice, gas or water cooling and trolley.

TALK TO R H DAVEY ABOUT YOUR NEXT MICORMIG.

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Technical information and photography: supplied Lorch MicorMIG brochure 913.1286.1, EN, 08/2025. Specifications subject to change. Images show example configurations; accessories and process upgrades vary by package.

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