

MIGATRONIC

THREE-PHASE TIG WELDING

CenTIG 300 DC

300 A at 60% Duty Cycle.
Portable Precision.

Advanced technology.
Easy welding.



300 A
MAX CURRENT

270 A
100% DUTY CYCLE

93%
EFFICIENCY

3-300 A
CURRENT RANGE

12 kg
WEIGHT

WHY CENTIG 300 DC

Built to perform. Designed to move.



100%
Duty Cycle

MARKET-LEADING DUTY CYCLE

Rated at 270 A at 100% duty cycle and 300 A at 60%/40°C, the CenTIG 300 DC lets you weld continuously without interruption - ideal for demanding production environments.



Lightest

LIGHTEST IN CLASS

At just 12 kg, The CenTIG 300 DC is the lightest three-phase 300 A DC TIG machine on the market. Engineered for welders who need serious power that doesn't weigh them down.



3–300 A

WIDE CURRENT RANGE

From delicate 3 A root passes on thin materials to heavy 300 A production welds - one machine covers every task on the job.



CenCOOL

PLUG-AND-PLAY WATER COOLING

The CenCOOL water module connects instantly. Upgrade from gas-cooled to water-cooled, bringing unlimited production power wherever you need it.



One Dial

INTUITIVE INTERFACE

A proven circular UI. All key welding parameters accessible in one turn of the dial - no manual needed. Simple enough for occasional welders, powerful enough for experts.



93%

93% EFFICIENCY

Market-leading 93% efficiency means less energy wasted as heat, lower operating costs, and a smaller carbon footprint - without compromising welding performance.

**Advanced technology.
Easy welding.**

Three Phase Power.

Serious power doesn't have to be heavy.

300 A
MAX CURRENT

270 A
100% DUTY CYCLE

93%
EFFICIENCY

3-300 A
CURRENT RANGE

12 kg
WEIGHT



WATER COOLING

CenCOOL.

Plug-and-play. Always ready.

Same footprint - The compact cabinet from CenTIG 200 is retained, keeping the combined stack small enough for workshops and vans.

Proven and updated - The CenCOOL 1300 from CenTIG 200 — upgraded with a 400 V pump to match the three-phase power of the CenTIG 300 DC.

Quick to attach - The water module converts the CenTIG 300 DC into a full production unit only with a few screws.

Two-wheel trolley - the same ergonomic trolley from CenTIG 200 is reused, making the water-cooled setup easy to manoeuvre anywhere.

Gas or water - choose your configuration at point of purchase, or upgrade in the field. Both options share the same platform.



**50+ years
of welding expertise**

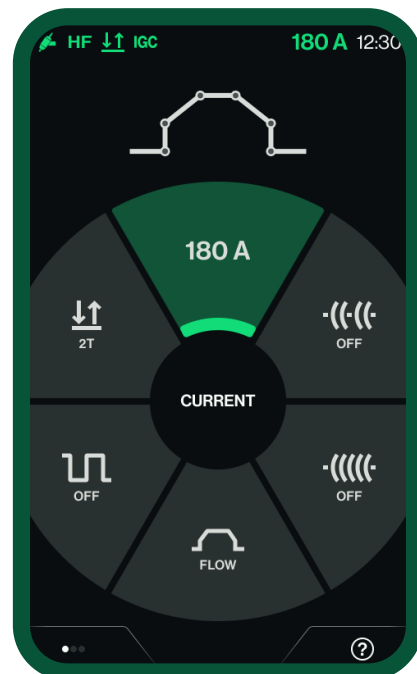
INTERFACE

One dial.

Total Control.

DIGITAL INTERFACE

Same intuitive interface as CenTIG 200.
Every parameter you need: Current, Pulse, 2T/4T, TIG-A-TACK, TIG-REP-TACK.
- All visible at a glance.



INTERFACE FEATURES

- ✓ Crystal-clear LED display
- ✓ Single-dial navigation
- ✓ Two soft keys
- ✓ Active functions visible in the top statusbar
- ✓ With a long press you can easily activate/deactivate functions
- ✓ Job memory for repeat welds

SOFTWARE

Advanced technology. Easy welding.

Six features that make the difference.



PULSE WELDING

Less heat. Less distortion. Better results on thin stainless.



CONSISTENTLY STABLE HF

Equipped with electronically controlled HF, ensuring consistently uniform and stable high-frequency ignition every time.



TACK WELD MODE

Set the time, trigger the torch - every tack is identical. No guesswork, no variation. Faster setup, consistent results across the job.



JOB MEMORY

Save your settings and recall them instantly. Switch between materials and applications without re-dialling every parameter from scratch.



GAS FLOW MONITORING (IGC)

Spot gas coverage problems in real time before they become rejects.



BUILT FOR GENERATOR POWER

Handles power fluctuations without missing a beat, keeping your weld consistent in any industrial environment.



Simple
to use.
Hard
to beat.



PERFORMANCE OVERVIEW

Numbers that matter.



Market-leading. Above class average of 220 A.



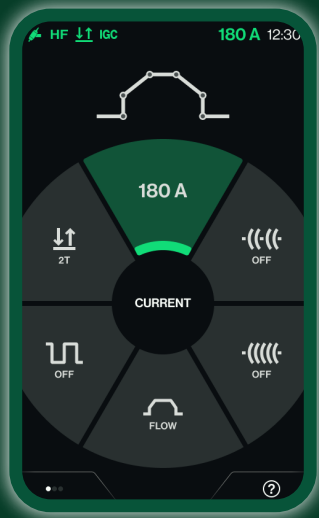
Full 300 A - 60%/40°C for production tasks.



Industry-leading energy conversion.



Wider range than previous models.



Developed and manufactured in Denmark.

TECHNICAL SPECIFICATIONS

POWER & PERFORMANCE

Current range TIG	3-300 A
Current range MMA	15-300 A
Duty cycle 60%/40°C, TIG	300 A
Duty cycle 100%/40°C, TIG	270 A
Efficiency	93%

ELECTRICAL

Mains voltage	3x400 V (+/- 15%)
Frequency	50/60 Hz

DIMENSIONS

Gas-cooled	602 x 210 x 360 mm
Water-cooled	1087 x 670 x 602 mm

STANDARDS

Type test	IEC 60974
Process	TIG DC / MMA
Arc start	HF / Lift TIG
Protection Class	IP23S

WHERE IT WORKS

Built for the industries that demand perfection.



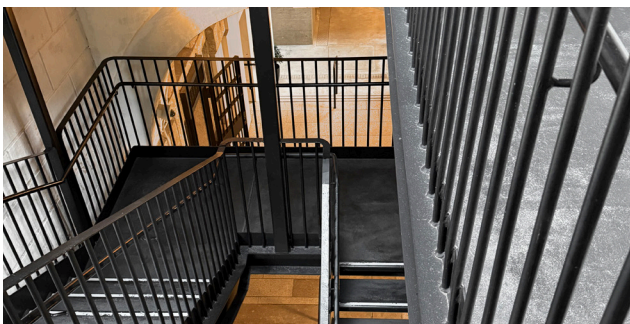
PHARMA & FOOD PRODUCTION

Clean, spatter-free welds on stainless steel tubes, pipes, and containers are non-negotiable in pharmaceutical and food environments. CenTIG 300 DC delivers the precision and arc stability required for hygienic-grade welds that meet the strictest quality standards.



PETROCHEMICAL

Fabrication of high-pressure stainless pipes, boilers, and containment vessels demands zero defects. The CenTIG 300 DC provides stable arc performance and full 300 A power to handle thick-wall stainless materials with confidence.



BUILDING & CONSTRUCTION

Structural frameworks, balcony brackets, staircases, and architectural metalwork require both quality and mobility. The compact, lightweight CenTIG 300 DC fits in a service van and performs on-site — from workshop fabrication to final installation.



OFFSHORE & PIPING

TIG is the process of choice for single-sided root passes in critical piping. The 3–300 A range covers both the ultra-thin root passes and the full weld - all in one machine.



**If you're not going to
be the cheapest, you
need to be the **best**.**

MIGATRONIC

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EXPLORE AT [MIGATRONIC.COM](https://www.migatronik.com) →

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