

Smootharc Advance MIG Range

Introducing a modern-style family of MIG/MAG welding machines that are sleek in design but perform like workhorses.

These inverter-based machines offer high duty cycles at rated amperages and give you infinite control to fine tune settings for optimum results.

No matter what job you need done the BOC Smootharc Advance range easily fits the task.





Easy-grip handles

Ergonomically designed soft feel handles make moving the power source and wire feeders easy



Large wheels

All machines fitted with durable, extra large wheels for even better manoeuvrability.

High power with great performance

Uncomplicated with fully adjustable settings the Smootharc Advance range gives you greater control across most welding applications, including flux cored or gasless welding.

Highlights

Delivers superior performance

These single and three phase machines are ideal for welding carbon steel, stainless steel and aluminium. They offer high arc stability and clean wire finish.

Simplistic front panel design

User-friendly layout makes setting voltage, wire speed and inductance easy. For remote machines adjusting welding parameters can be done from the wire feeder.

Polarity change for cored wires

A simple operation on the compact unit situated on the inside of the machine. Changing the polarity on the remote is as simple as changing the work return lead and wire feed cable.

Two inter-connecting cables

All remote models come fitted with a 1.5 m remote cable with an additional 10 m cable (if required) for greater flexibility.

Protection from grime

Improved tunnel design keeps dust and grime away from electronic parts and maximises cooling.

Gas purge

Ensures weld defects are minimised by clearing the line after changing cylinders or when the machine has not been used for a period of time.





Advantages

Four roll drive system

Both compact and remote machines have a four roll drive system and come complete with drive rolls for solid or cored wire as well as u-groove rolls for aluminium.

Infinite voltage, wire speed and inductance settings

The infinite control over voltage wire speed and inductance ensures you can fine tune settings for optimum results.

A place for everything and everything in its place

All machines are equipped with an easy-to-fit welding cable tray and torch holder (two in the case of a remote machine). These are a great way to keep your equipment organised and easily accessible.

Large wheels

All machines fitted with durable, extra large wheels for even better manoeuvrability.

Easy-grip handles

Ergonomically designed soft feel handles make moving the power source and wire feeders easy.

Low slung cylinder tray

The design includes a lowered cylinder tray to ensure heavy "G" size cylinders can be placed onto the machine safely and with ease.

Powder coated finish

Harder wearing finish makes these machines look great and keep on looking great.

Welding torches

All units are fitted with original quality Binzel torches. Please refer to the BOC MIG/MAG torch brochure for full descriptions and technical specifications.

Advanced and flexible

Available as light duty compact styles up to a heavy duty 3 phase remote model, all fitted with original quality Binzel torches.

Applications

Compact models

- Structural fabrication
- Road transport fabrication
- Automotive manufacturing
- Rural and agricultural fabrication

Remote models

- Mining
- Earth moving
- Ship building
- Heavy structural fabrication



Advance 200C

Light-duty manufacturing of machine tools and parts are easily accomplished with the 200C. If you need a machine in your workshop that can handle light engineering manufacturing or general fabrication, you can't go past the Advance 200C MIG machine.

Advance 275C

A compact single-phase machine with a built-in wire feeder, the Advance 275C delivers superb aluminium welding capability up to 10 mm in thickness. Strong enough to handle structural steel and aluminium product manufacturing, boat building and general engineering.

Advance 275R

All the capabilities of the 275C but with a remote instead of a built-in wire feeder, the 275R is the stand out performer for in-position applications. Both the 275C and 275R MIG machines offer superior operating performance across a wide range of welding applications.

Advance 350R (3 phase)

A three phase machine with a 4 drive roll remote wire feeder suitable for medium to heavy industrial production. This solid unit really shines in the manufacturing of mining and construction equipment and in heavy engineering applications.

Wire feeder

- Wire feeder comes complete with feed rollers for aluminium, flux cored/gasless, and steel wires as a standard.
- Wheels for remote wire feed (supplied but not fitted) so that the feed unit can be easily moved around the floor.
- Voltage, inductance and wire speed controls on wire feed unit. Key parameters at the feeder can be set from where ever you're working which keeps the control in your hand.
- 4 wheel geared wire feed unit gives excellent feedability and improved grip on soft wire such as flux cored and aluminium.





Safety and accessories

BOC has you covered, offering a full range of quality products that meet AUS/NZ standards.

Technical Specifications

Specifications	MIG 200C	MIG 275C	MIG 275R	MIG 350R
Part No.	ADVANCE200C	ADVANCE275C	ADVANCE275R	ADVANCE350R
Power Vol	Single phase 240 V ±15 %	Single phase 240 V ±15 %	Single phase 240 V ±15 %	Three phase 400 V ±15 %
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated input current	34A	55A	55A	21A
Output current	50 to 200A	50 to 275A	50 to 275A	50 to 350A
Output Voltage	16.5 to 24V	16.5 to 26.5 V	16.5 to 26.5V	16.5 to 31.5 V
Duty cycle				
35 %	200	275	275	350
60 %	160	213	213	271
Power factor	0.73	0.73	0.73	0.73
Efficiency	80 %	80 %	80 %	80 %
Wire machine	Compact	Compact	Remote	Remote
Wire speed	2.5 to 13 (m/min)	2.5 to 13 (m/min)	2.5 to 13 (m/min)	2.5 to 13 (m/min)
Wire spool diameter	270 mm	270 mm	270 mm	270 mm
Wire diameter	0.8/1.0 mm	0.8/1.2 mm	0.8/1.2 mm	0.8/1.6 mm
Housing shielding grade	IP21	IP21	IP21	IP21
Insulation grade	F	F	F	F
Suitable thickness	0.8 mm above	0.8 mm above	0.8 mm above	0.8 mm above
Dimensions L x W x H	1075×418×795 mm	1075x418x795 mm	1075x418x795 mm	1075x418x795 mm
Weight approx.				
Power source	45 kg	45 kg	45 kg	52 kg
Wire feeder	—	—	10 kg	10 kg
Standards	IEC60974.1	IEC60974.1	IEC60974.1	IEC60974.1

Welcome to a new world of welding

Available at your local BOC Gas & Gear store. For your nearest location, please contact our Customer Service Centre on:

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Service and warranty

Three year warranty covers parts and labour. Excludes torches and consumable items. Warranty will not apply if operating and service instructions are not followed.

 **BOC**
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