

SPARTUS®



EasyMIG
315

**POWER AND PRECISION
IN EVERY WELD**



■ VERSATILE POWER SOURCE FOR DEMANDING APPLICATIONS

The **SPARTUS® EasyMIG 315** is a modern, inverter-based MIG/MAG welding machine designed for users who value reliability, stability, and full process control. Thanks to advanced IGBT technology, synergic programs, and a solid design, this unit delivers excellent performance in workshops, production facilities, and heavy industry environments.

■ MIG/MAG WELDING

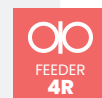
– PRECISION AND SYNERGIC AUTOMATION

The EasyMIG 315 enables welding with a **solid wire in shielding gases (MIG/MAG)** and **flux-cored wire (FCAW)** after polarity reversal. It features **synergic programs** for steel wires Ø 0.8 / 1.0 / 1.2 mm, automatically adjusting voltage and wire feed speed. At the same time, the operator can fine-tune parameters manually to match the arc characteristics to the material being welded.

Built-in supporting functions:

- **2T / 4T** – continuous or trigger-hold welding modes
- **Inductance Control** – adjusts bead width and penetration depth
- **Burn Back** – precise control of wire burn-back time prevents sticking
- **Slow Feed** – soft start for smooth arc ignition at high currents
- **Spool Gun** – supports a lightweight torch with integrated wire feeder (ideal for aluminum).

The **four-roll wire feeder** ensures stable and smooth wire delivery, even with long torch cables and high feed speeds.



■ MMA AND TIG LIFT WELDING

– VERSATILITY IN ONE UNIT

The SPARTUS® EasyMIG 315 also supports MMA (Stick) and TIG Lift welding with scratch arc ignition.

Available functions:

- **Hot Start** – easier arc ignition
- **Arc Force** – improved arc stability in difficult positions
- **VRD** – reduced open-circuit voltage for increased operator safety.

The welding current reaches 300 A for MIG/TIG and 250 A for MMA at a 60% duty cycle, allowing long welding cycles without overheating.



■ SYNERGIC PROGRAM

The SPARTUS® EasyMIG 315 includes integrated synergic programs that automatically adapt settings to the selected wire and shielding gas. This feature shortens setup time, ensures repeatability, and provides optimal results in every welding cycle.

MATERIAL	PROCESS	SHIELDING GAS	WIRE DIAMETER
CARBON STEEL	MIG DC	100%CO ₂	0.8 – 1.2mm
CARBON STEEL	MIG DC	75%Ar + 25%CO ₂ mixed gas	0.8 – 1.2mm
ALUMINUM	MIG DC	100% argon	1.0 – 1.2mm
FLUX-CORED WIRE	MIG DC	—	0.8 – 1.2mm



■ INTUITIVE CONTROL AND LCD DISPLAY

The modern **LCD control panel** clearly displays all key parameters – welding current, voltage, wire speed, inductance, arc length, and wire diameter. Convenient knobs and buttons allow fast switching between methods, parameter adjustment, and wire feed testing. Thanks to its intuitive interface, the EasyMIG 315 is simple to operate even for less experienced users.

■ SOLID CONSTRUCTION AND MOBILITY

A compact steel housing (**570 × 265 × 460 mm**) accommodates a four-roll wire feeder and a wire spool up to **15 kg**. A powerful cooling system with a fan ensures long service life and consistent performance. The machine operates on a **3×400 V** power supply, offering high efficiency ($\eta = 85\%$) and a power factor of **$\cos\phi = 0.93$** .



■ EQUIPMENT

SPARTUS® EasyMIG welders are sold as complete ready-to-work packages, including all essential accessories:

Package equipment:

- EasyMIG 315
- MIG gun SPARTUS® SPE 360 3m
- 2 x wire guide roller 0.8 – 1.0V fi30, additionally 2 x wire guide roller 1.0-1.2V fi30
- electrode holder
- work Clamp
- gas hose
- user's manual

■ The **SPARTUS® EasyMIG 315** is a professional welding power source combining high performance, precise control, and ergonomic design. With Easy Synergy technology, comprehensive MIG/MAG, MMA, and TIG Lift capabilities, and a robust industrial build, it ensures outstanding weld quality, operator comfort, and reliability in demanding production environments.



EASYMIG 315

TECHNICAL PARAMETER

Input	~3× 400V ± 10% 50 / 60 Hz	TIG welding current	10 - 300A
MIG welding current	50 - 300A	MMA welding current	10 - 250A
MIG duty cycle	60%	Arc Force	yes
Output working voltage	16.5 - 29V	Hot Start	yes
Wire feeder	built-in, 4-roll gear	VRD	yes
Welding wire spool	≤ 15kg / ø200/300mm	Current consumption	MIG 17 / TIG 14 / MMA 13A
Wire diameter	Steel 0.8 / 1.0 / 1.2mm, Alu 1.0 / 1.2mm	Power factor (cosφ)	0.93
Synergy	yes	Efficiency η	85%
2T/4T control	yes	Insulation class	H
Additional MIG functions	Burn Back, inductance synergistic program manual adjustment of parameters spool gun Slow Feed change polarity	Protection class	IP21S
		Weight	22kg
TIG Lift	yes	Dimensions	570 x 265 x 460mm

