

SPARTUS®



**THE PERFECT
COMBINATION OF POWER,
PRECISION, AND SIMPLICITY** <<<



EasyMIG
317 Dual
Pulse

■ SPARTUS® EasyMIG 317DP is a modern three-phase inverter MIG/MAG welding machine that combines intuitive operation with advanced welding capabilities using MIG/MAG, MMA, and TIG Lift methods. Thanks to advanced synergy with dual pulse function, the machine ensures excellent weld quality and high efficiency while keeping configuration simple.



■ MIG/MAG WELDING

– DUAL PULSE FULL CONTROL

EasyMIG 317DP offers four MIG/MAG operating modes: synergic with dual pulse, synergic with single pulse, classic synergic mode, and manual mode. Dual pulse makes it possible to achieve the “fish scale” effect and a weld appearance comparable to TIG, while maintaining higher efficiency and reduced heat distortion.

With synergic programs, the current, voltage, and wire feed speed are automatically adjusted to the selected material and shielding gas. The welder can additionally introduce manual voltage and inductance corrections to precisely shape the arc and weld profile.

The machine supports wire diameters of **0.8–1.2 mm** and is fully compatible with a Spool Gun. It also features:

- **2T/4T** – continuous or pulse trigger mode
- **Inductance Control** – arc dynamics adjustment and reduced spatter
- **Wire test** and gas pre-flow/post-flow adjustment
- **Polarity change** for flux-cored wire welding



■ SYNERGIC PROGRAMS

SPARTUS® EasyMIG 317DP is equipped with integrated synergic programs that automatically adjust the welding parameters to the selected wire and shielding gas. This significantly shortens setup time, ensuring repeatable settings and 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+20%Co ₂ mixed gas	0.8 - 1.2mm
FLUX CORE	MIG DC	-	0.8 - 1.2mm
CARBON STEEL	PULSE/DUAL PULSE	80%Ar+20%Co ₂ mixed gas	0.8 - 1.2mm
STAINLESS STEEL	PULSE/DUAL PULSE	80%Ar+20%Co ₂ mixed gas	0.8 - 1.2mm
STAINLESS STEEL	PULSE/DUAL PULSE	97.5%Ar+2.5%Co ₂ mixed gas	0.8 - 1.2mm
CuSi	PULSE/DUAL PULSE	100%argon	1.0 - 1.2mm
AISI	PULSE/DUAL PULSE	100%argon	1.0 - 1.2mm
AlMg	PULSE/DUAL PULSE	100%argon	1.0 - 1.2mm

■ MMA | TIG LIFT WELDING

In addition to MIG/MAG, EasyMIG 317DP allows welding with coated electrodes (MMA) and TIG Lift. In MMA mode, the following support functions are included:

- **Hot Start** – easier arc ignition
- **Arc Force** – stabilizes the arc and improves weld quality in challenging positions
- **VRD** – reduces open-circuit voltage to enhance workplace safety

In TIG Lift mode, high-quality welds can be achieved in stainless steel, copper, and aluminum (using the appropriate filler wire).



■ INTUITIVE CONTROL AND LCD PANEL

A large, **full-color LCD display** presents all parameters clearly – from current and voltage to material thickness, operating mode, and shielding gas type. Two multifunction control knobs and menu buttons allow rapid parameter adjustments without interrupting work. The interface automatically adapts synergic values, and the graphical weld bead visualization makes parameter selection easier even for less experienced welders.



■ EQUIPMENT

SPARTUS® Easy welding machines are sold only as complete sets including all necessary components to start welding.

Package equipmentd:

- EasyMIG 317DP
- MIG gun SPE 360 3m with a graphite wire liner
- steel liner coated
- guide rollers 1.0-1.2U fi30
+ additionally 2x1.0-1.2U, 2x 0.8-1.0V,
2x 1.0-1.2V fi30
- electrode holder
- work clamp
- gas hose
- user's manual

■ ROBUST CONSTRUCTION AND MOBILITY

EasyMIG 317DP is a robust three-phase welding system designed for industrial environments. The built-in **four-roller wire** feeder ensures stable wire feed, while the high efficiency (**up to 85%**) ensures excellent energy performance. A compact housing (570 × 265 × 460 mm) and weight of **22.5 kg** make it easy to transport in a workshop or on a job site. The IP21S protection rating safeguards internal electronics from dust and moisture.



EASYMIG 317 DUAL PULSE
TECHNICAL PARAMETER

Input	~3×400V ± 10% 50 / 60 Hz	TIG Lift	yes
MIG welding current	50 - 300A	TIG welding current	10 - 300A
MIG duty cycle	60%	MMA welding current	10 - 250A
Output working voltage	16.5 - 25.0V	Arc Force	yes
Wire feeder	built-in, 4-roll gear	Hot Start	yes
Welding wire spool	≤ 5kg / ∅200/300mm	VRD	yes
Wire diameter	0.8, 1.0, 1.2mm	Current consumpton	MIG 25 / TIG 20 / MMA 21
Synergy	yes	Power factor (cosφ)	0.60
2T/4T control	yes	Efficiency η	MIG 84.5 / TIG 84 / MMA 85.5
Additional MIG functions	DUAL PULSE, inductance, post-gas, pulse, synergistic program, manual adjustment of parameters, inductance control, spool gun, slow feed, change polarity	Insulation class	H
		Protection class	IP21S
		Weight	22.5kg
		Dimensions	570 x 265 x 460mm

■ **SPARTUS® EasyMIG 317 Dual Pulse** is an advanced dual-pulse MIG/MAG welding machine that combines power, precision, and ease of use. It delivers excellent results when welding steel, aluminum, and metal alloys. The perfect choice for users looking for a versatile synergic welder that provides high quality and full control over the welding process.

