

MIG/MAG impulse welder

PRO-PULS 400 WS (Profi trolley, control panel on top)



Infinitely variable, for perfect MIG/MAG welding results

Article number ▼
1085540

Brand ▼
Schweisskraft

Commodity group ▼
108

Catalog directory ▼
Welding technology » MIG/MAG welding machines » MIG/MAG impulse welding machines » PRO-PULS



Delivery content ▼

- Feed rollers 1.0/1.2 mm
- Professional trolley
- Cover flap for control panel

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	n/a	Gross	93 kg	Delivery	Carrier	DualUse	✘
Width	n/a	Net	89 kg	Content	1 pc(s).	SCIP	n/a
Height	n/a					SVHC	No



Quality - Made in Germany

Description ▼

- Performance increase and quality improvement through digitally controlled MIG/MAG industrial processes
- POWER.PULS: Weld stainless steel faster with TIG-like seam surface; Hardly any tarnish; Adjustable heat input; Welds in TIG look with double pulse; Weld-over helpers
- POWER.ARC: high arc quality, calm, stable and high-energy arc
- ROOT: spatter-free welding process for thin sheet and root welds with very good gap bridging, safe penetration and significantly higher welding speed for drop welds
- FOCUS.ARC: Welding with short, powerful arc, safe root penetration, particularly deep penetration, safe flank penetration and reduced penetration notches.
- Increased quality through better visibility into the process, better control over the arc and fewer defects
- SIRIUS user interface with Assist function for simplified operation of complex processes, easy integration into all systems, production chains and processes via freely configurable interface with full Industry 4.0 capability
- Monitoring and setting of welding parameters e.g. via tablet or smartphone
- Intelligent, resource-saving water cooling unit: centrifugal pump with high delivery rate, energy management measures the coolant temperature and cools only when required, extending the service life of all components
- Job memory for up to 500 programs

Manufacturer

Stürmer Maschinen GmbH
 Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt, Germany
 info@stuermer-maschinen.de

Significant Features ▼



SIRIUS - the intuitive and open user interface

- Graphically dynamic and transparent visualization
- Assist functions simplify the operation of complex digitally controlled processes
- Fully Industry 4.0 capable
- Easy integration into all systems, production chains and pr



FOCUS.ARC - Concentration of energy in the centre of the arc

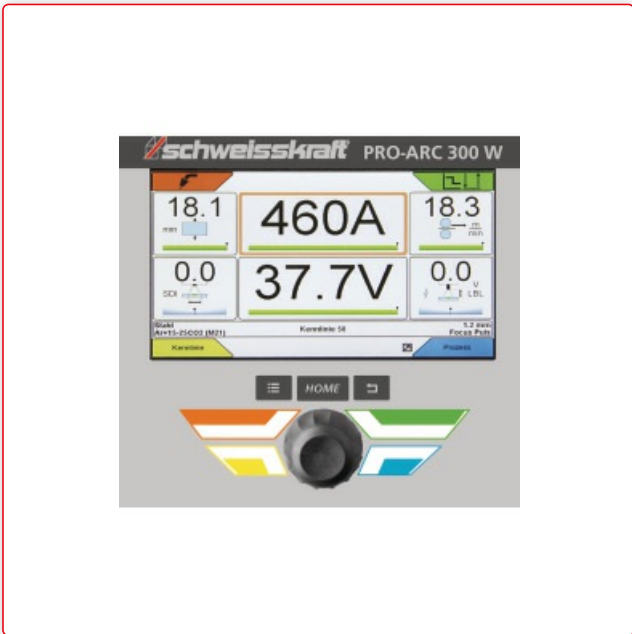
- Droplet transfer, short-circuit resolution and heat input digitally controlled
- Improved quality through better visibility into the process, better control of the arc and fewer errors



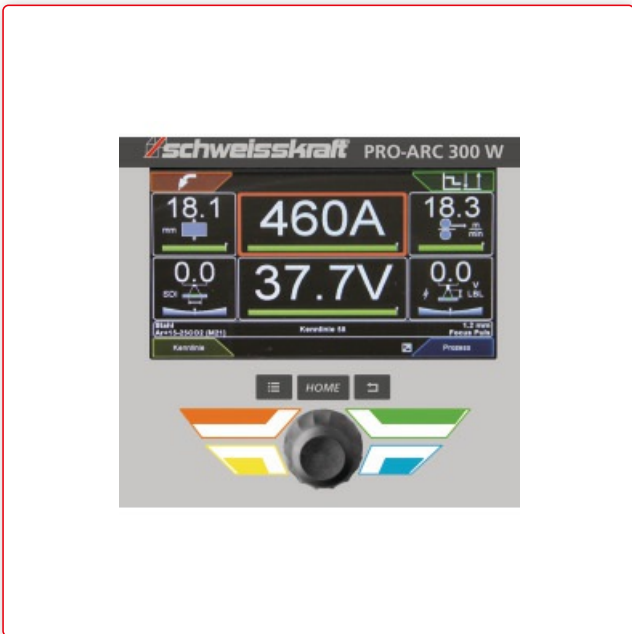
POWER FACTOR CONTROLLER - Power factor correction

- Compliance with the new regulation EU 2019/1784
- Highest energy efficiency
- Worldwide use
- Clean mains power consumption
- Can be used everywhere

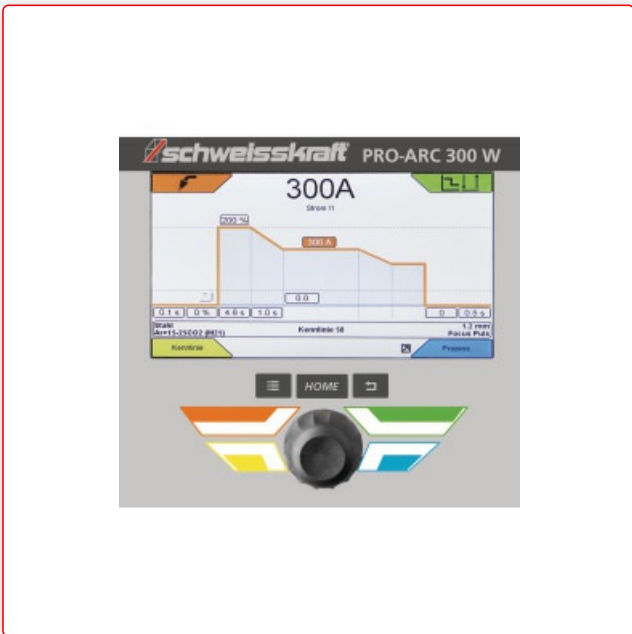
Media informations ▼



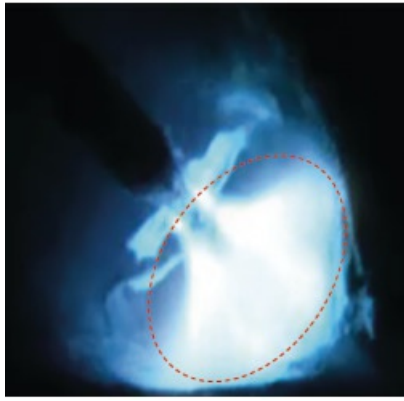
SIRIUS screen shows everything at a glance



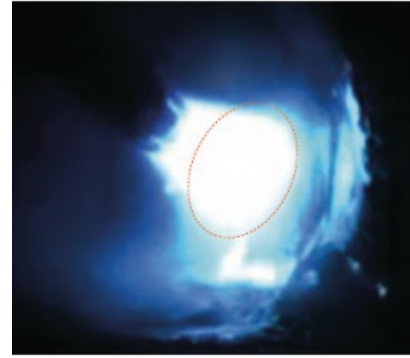
Display with day and night mode



Optimization parameters displayed transparently and graphically-dynamically



Conventional arc
Conventional arc



FOCUS.ARC arc

- FOCUS.ARC arc with 15 percent less heat input
- Welding with reduced seam opening angle possible
- Perfect for root and stick welds











Technical data ▼

Dimensions and weights			
Length (product) approx.	930 mm	Width/depth (product) approx.	560 mm
Height (product) approx.	1300 mm	Net weight approx.	103 kg
Setting range			
Setting range MIG/MAG	20 – 410 A		
Duty cycle			
Duty cycle at I _{max} 40°C	80 %	Current at 100% DC 40°C	370 A
Electrical Data			
Supply voltage	400 V	Mains frequency	50 Hz
Wire feed			
weldable wires steel from to	0.8 – 1.2 mm	weldable wires stainless steel from to	0.8 – 1.2 mm
weldable wires aluminium from to	1.0 – 1.2 mm	Wire feet unit	4 Rollers
Input			
Power consumption MIG/MAG	16,8 kVA	Power factor	0.99 cos phi
Efficiency	> 85 %		
Electrical connections			
Positive mains voltage tolerance	15 %	Negative mains voltage tolerance	15 %
Open circuit voltage	75 V	Power consumption in idle mode	< 50 W
Cooling			
Cooling type	AF	Torch cooling	water
Capacity water reservoir	5 l		

Equipment ▼

Type of construction	with wire feed case	Volume gas cylinder max.	50
Mains voltage compensation	✓	FOCUS.ARC	✓
ROOT	✓	POWER.PULS	✓
POWER.ARC	✓	Process MIG/MAG	✓
Process MMA	✓	Burn-in stabilizer	✓

Accessories ▼

	Ground cable with clamp MK4 / 70 KS13 600A		
Article number ▼ 1250270	Availability ▼ In stock Immediate delivery	Purchase ▼ Minimum 1 pc(s).	Price informations ▼
	Ground cable with clamp MK4 / 95 KS13 600A		
Article number ▼ 1250295	Availability ▼ In stock Immediate delivery	Purchase ▼ Minimum 1 pc(s).	Price informations ▼
	Pressure reducer Argon/CO2, large		
Article number ▼ 1700050	Availability ▼ In stock Immediate delivery	Purchase ▼ Minimum 1 pc(s).	Price informations ▼
	MIG/MAG welding torch, water cooled W 440D 3m		
Article number ▼ 1059943	Availability ▼ No stock available Information: Next availability Unknown	Purchase ▼ Minimum 1 pc(s).	Price informations ▼
	MIG/MAG welding torch, water cooled W 440D 4m		
Article number ▼ 1059944	Availability ▼ In stock Immediate delivery	Purchase ▼ Minimum 1 pc(s).	Price informations ▼



MIG/MAG welding torch, water cooled

W 440D 5m



Article number ▼

1059945

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, water cooled

W 540D 3m



Article number ▼

1059946

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, water cooled

W 540D 4m



Article number ▼

1059947

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, water cooled

W 540D 5m



Article number ▼

1059948

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, liquid-cooled

W 440D 7 3m UD

mit Up-Down Bedienung



Article number ▼

1059963

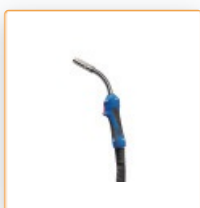
Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, liquid-cooled

W 440D 7 4m UD

mit Up-Down Bedienung



Article number ▼

1059964

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, liquid-cooled

W 440D 7 5m UD

mit Up-Down Bedienung

Article number ▼
1059965

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, liquid-cooled

W 540D 7 3m UD

mit Up-Down Bedienung

Article number ▼
1059966

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, liquid-cooled

W 540D 7 4m UD

mit Up-Down Bedienung

Article number ▼
1059967

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



MIG/MAG welding torch, liquid-cooled

W 540D 7 5m UD

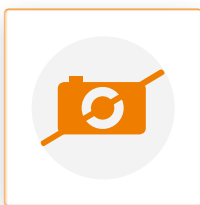
mit Up-Down Bedienung

Article number ▼
1059968

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Inert gas filter

1/4 "

Article number ▼
1499003

Availability ▼
Blocked article

Purchase ▼
Minimum 1 pc(s).

Price informations ▼
Revoked article



Single feed roller for solid wire

0.6 – 0.8 mm V-groove

Article number ▼
1063054

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼





Single feed roller for solid wire
0.8 – 1.0 mm V-groove



Article number ▼
1063055

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Single feed roller for solid wire
1.0 – 1.2 mm V-groove



Article number ▼
1063053

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Single feed roller for solid wire
1.2 – 1.6 mm V-groove



Article number ▼
1063056

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Single feed roller for solid wire
0.9 – 1.1 mm V-groove



Article number ▼
1063057

Availability ▼
Blocked article

Purchase ▼
Minimum 1 pc(s).

Price informations ▼
Revoked article



Feed roller single for tubular wire
1.2 – 1.6 mm



Article number ▼
1063058

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Feed roller single for aluminum wire
1.0 – 1.2 mm



Article number ▼
1063059

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Feed roller single for aluminum wire
1.2 – 1.6 mm



Article number ▼
1063060

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Feed roller single for aluminum wire
1.6 – 2.4 mm



Article number ▼
1063061

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Retrofit kit
torch and hose package holder

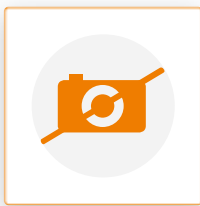


Article number ▼
1060270

Availability ▼
Blocked article

Purchase ▼
Minimum 1 pc(s).

Price informations ▼
Revoked article



Retrofit kit air filter attachment

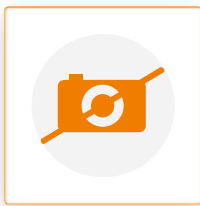


Article number ▼
1060271

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Metal filter cell FA P



Article number ▼
1060272

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled
W 70 mm² 1.4 m



Article number ▼
1065040

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled
W 70 mm² 5 m



Article number ▼
1065041

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 70 mm² 10 m



Article number ▼

1065042

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 70 mm² 15 m



Article number ▼

1065043

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 70 mm² 20 m



Article number ▼

1065044

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 95 mm² 1.4 m



Article number ▼

1065050

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 95 mm² 5 m



Article number ▼

1065051

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 95 mm² 10 m



Article number ▼

1065052

Availability ▼

In stock
Immediate delivery

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 95 mm² 15 m



Article number ▼
1065053

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Intermediate hose package, water-cooled

W 95 mm² 20 m



Article number ▼
1065054

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Coolant SKF 15 / 5 l



Article number ▼
1030105

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Coolant SKF 15 / 10 l



Article number ▼
1030110

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Coolant SKF 15 / 25 l

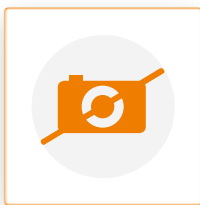


Article number ▼
1030125

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Case suspension (crane eyes)



Article number ▼
1060118

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Air filter attachment



Article number ▼

1061144

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Cover lid for lower control panel



Article number ▼

1060108

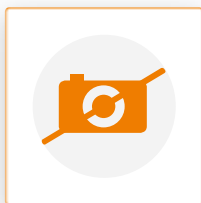
Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼



Adapter central connection Euro to Dinse



Article number ▼

1060318

Availability ▼

No stock available
Information:
Next availability
Unknown

Purchase ▼

Minimum 1 pc(s).

Price informations ▼

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