

MIG/MAG impulse welder

CRAFT-PULSE FOCUS 400 WS 1,0/1,2**Profi mit Bedienfeldklappe**

Infinitely variable, for perfect MIG/MAG welding results

Article number

1362540

Brand

Craftweld

FOCUS.ARC - Concentra-
tion of energy in the
centre of the arcPOWER FACTOR CONTROL-
LER - Power factor
correctionSIRIUS - the intuitive and
open user interface☒ Ordering: from 1
units

Illustration shows optionally available Advanced trolley

Description

- Performance increase and quality improvement through digitally controlled MIG/MAG industrial processes
- FOCUS.PULS - High performance pulse welding process for steel construction: Directionally stable with adjustable heat input; Heat input reduced by 30 %; Increase of deposition rate up to 60 %; Welding with reduced seam opening angle; Significant improvement of quality; Overweldable tackers
- 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
- Robust trolley with large wheels, robust holder for gas bottles up to 50 l and integrated crane eyes

Delivery content

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

Technical data

Dimensions and weights

Length (product) approx.	700 mm
Width/depth (product) approx.	330 mm
Height (product) approx.	1100 mm
Net weight approx.	73 kg

Duty cycle

Duty cycle at I _{max} 40°C	80 %
Current at 100% DC 40°C	370 A

Standards and certifications

Degree of protection	IP 23
Insulation class	H

Setting range

Setting range MIG/MAG	20 – 410 A
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Electrical Data

Supply voltage	400 V
Phase(s)	3 Ph
Current type	AC
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	0.95 cos phi
Efficiency	> 85 %

Cooling

Cooling type	AF
Torch cooling	water
Capacity water reservoir	5 l

Electrical connections

Fuse (slow blowing)	32 A
Positive mains voltage tolerance	15 %
Negative mains voltage tolerance	25 %
Open circuit voltage	75 V
Power consumption in idle mode	< 50 W

Manufacturer infos

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

Media informations



Illustration shows optionally available Advanced trolley



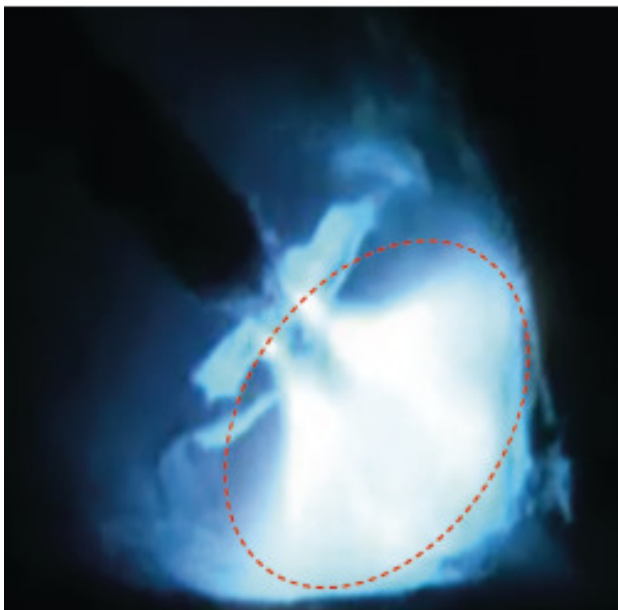
SIRIUS screen
shows everything at a glance



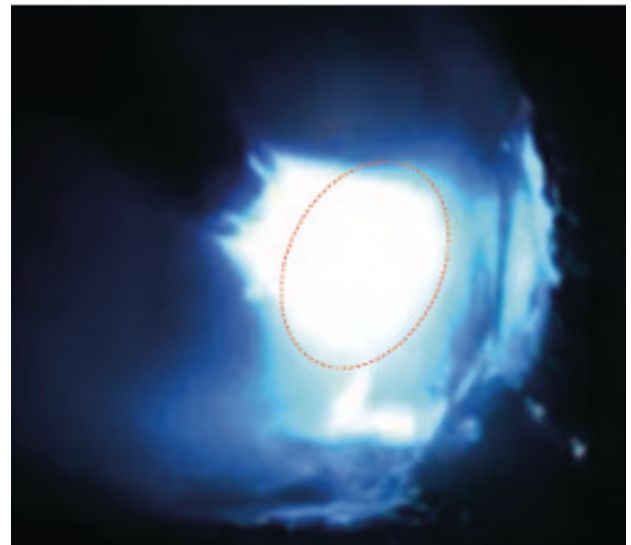
Display with day and night mode
Display with day and night mode



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

Equipment

Equipment

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

Shipping informations

Packaging Metrics		Weights		Delivery		Other	
Length	n/a	Net	103 kg	Delivery	Carrier	DualUse	Nein
Width	n/a	Gross	107 kg	Content	1 undefined	SCIP	
Height	n/a					SVHC	Nein

Manufacturer

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