



MIG/MAG welding

Introduction

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WELDING POWER SOURCES

Transformer technology power sources



■ MAXISTAR 180 MEC / 200 M / 250 T	page 3-5
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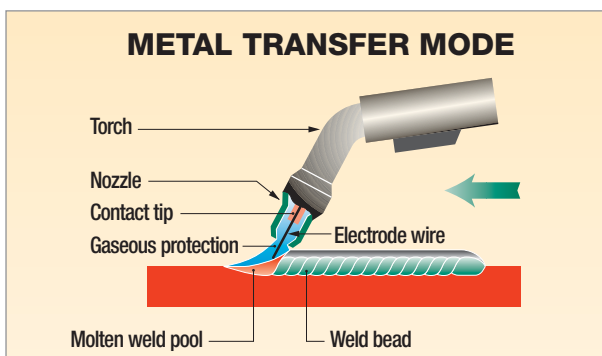
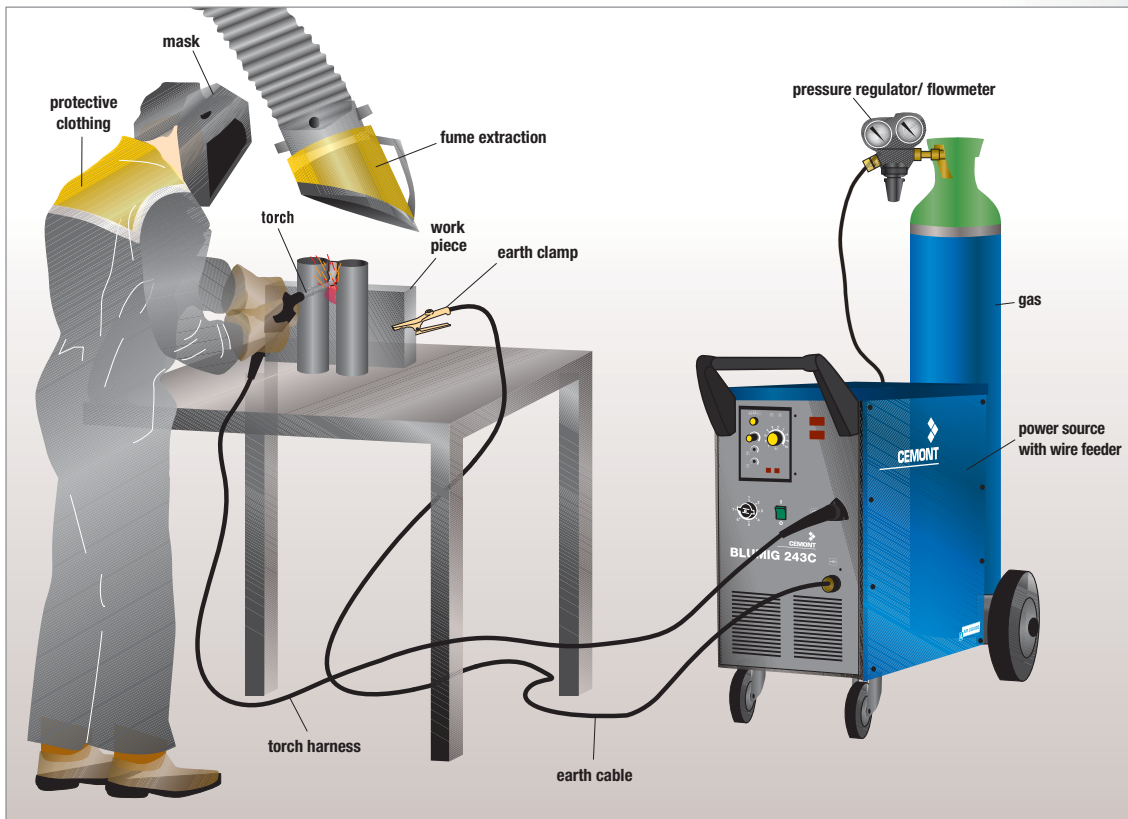
TORCHES

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MIG/MAG Welding Process

A TYPICAL MANUAL MIG/MAG WELDING INSTALLATION



MIG/MAG Welding Process

The MIG/MAG welding processes use an arc under gaseous protection.

The electrode is a metallic wire. The electrode, the metal transferred in the arc and the weld bead are protected from the atmosphere by an inert gas for MIG welding and an active gas for MAG welding.

The definition explains the names MIG (Metal Inert Gas) and MAG (Metal Active Gas).

In manual welding this process is called semi-automatic because the wire is fed automatically as soon as the arc starts.

SELF positions:



SELF role:

- used in short-circuit mode,
- limits the short-circuit current,
- the higher the SELF, the colder, the weld bead.

Ω Small SELF

Used for bigger sections

ΩΩ Big SELF

Used for medium sections

- ARC is smooth
- Lower welding speed

ΩΩΩ Total SELF

- ARC is very smooth
- Possible to use CO₂ gas

LEXICON

SEMI-AUTOMATIC WELDING

MIG (Metal Inert Gas):

Arc welding process with a consumable wire. This wire is transferred in the arc and the molten metal is deposited in the molten pool, protected by an inert gas.

MAG (Metal Active Gas):

Same description as MIG but the gas protection is active (CO₂ or argon + CO₂ mixture).

MIG pulse:

The current varies during welding, the power supplies a very precise "shape wave". Pulse is primarily used for stainless steel and light alloys.

Synergic MIG:

The welding parameters are programmed in the power source set for a common evolution according to a predefined law. One single setting is needed which facilitates the use of those machines and improves the welding quality.

2 Times mode:

Welding starts by pulling the torch's trigger. It stops by releasing the trigger.

Spot mode:

The power source starts to weld when the trigger is pulled, but welding stops automatically after a pre-set delay.

Intermittent mode:

This is a point mode which is repeatable. If the pressure on the trigger is maintained, welding will be re-started after another delay which is also regulated.

MIG/MAG: single-phase range

BLUMIG			 241 C
MAXISTAR		 180 MEC	 200 M
PRECISA	 200 MP		
Welding current	200 A	220 A	240 A

MIG/MAG: three-phase range

BLUMIG S				 353 S	 403 S	 503 S/SH
BLUMIG C		 243 C	 283 C	 353 C		
MAXISTAR	 250 T					
PRECISA					 420 S/SP	
Welding current	220 A	260 A	280 A	330 A	400 A	500 A

MAXISTAR 180 MEC / 200 M MAXISTAR 250 T

MAXISTAR is a range of semi-automatic MIG/MAG welding equipment. Used for welding applications in workshops or for outdoor work.

Features and product advantages:

- **Input voltage:** 230 V single-phase or 400 V three-phase.
- **Mode:** continuous or tack welding.
- **Wire feeder:** 2 roller plate.
- **Simple:** adjustment of the current with a switch and of the wire feed speed with a single knob control.
- **Versatile:** for welding with steel, stainless steel and aluminium wires.
- **Reliable:** air cooled transformer.



- 1 Thermal safety indicator.
- 2 Switch on/off.
- 3 Power switch.
- 4 Tack welding adjustment.
- 5 Stick-out adjustment.
- 6 Starting speed regulation.
- 7 Wire feed speed.
- 8 European connection for torch.

**COMPACT MACHINES FOR
LIGHT APPLICATIONS**



Standards

EN 60974-1
EN 60974-10

MIG/MAG WELDING EQUIPMENT

MIG/MAG WELDING
EQUIPMENT

TECHNICAL CHARACTERISTICS:

	MAXISTAR 180 MEC	MAXISTAR 200 M	MAXISTAR 250 T
Input voltage 50 Hz	230 V - single-phase	400 V - three-phase	
Input power	3 kVA - 2.5 kW	6.9 kVA - 5.5 kW	6.9 kVA - 5.5 kW
Max input current	24 A	32 A	11 A
Effective input current	10.5 A	12 A	5.5 A
Adjustment positions	6	8	6
Open circuit voltage	18 - 32 V	18 - 33 V	18 - 35 V
Welding current	30 - 170 A	35 - 180 A	35 - 200 A
Wire diameter	0.6 - 0.8 mm	0.6 - 0.8 mm	0.6 - 1.0 mm
Duty cycle at 40 °C	at 30%	140 A (18%)	180 A (15%)
	at 60%	75 A	100 A
	at 100%	60 A	75 A
Protection index	IP 21		
Dimensions (mm)	440 x 670 x 750		
Weight	38.5 kg	43 kg	54 kg



- **Torches** see pages 3-11, 3-12 & 3-13
- **Rollers** see page 3-10

TO ORDER:

Power source only	W000263724	W000263725	W000263726
Options			
Reverse polarity kit	W000257998		

Delivered equipped with:

- electric primary cable,
- equipped earth cable,
- 2 roller plate for wire sizes 0.6 - 0.8 mm, 1.0 - 1.2 mm,
- safety instructions,
- user manual.

PRECISA 200MP

PRECISA 200MP (5 - 200 A), 1 machine, 3 processes in an essential single phase inverter for welding. PRECISA 200MP is new power source, generator compatible, compact, easy to move, with precise weld quality and with very good arc ignition. The large graphic display help the welder to select and control quickly all processes, MMA, TIG and MIG/MAG.

General features:

■ MMA:

welding current from 5 to 200 A.

- Rutile and basic coated electrode diameter up to 4 mm.
- Hot start.
- VRD (Voltage Reduction Device) this option provides maximum security with low Open Circuit Voltage.

■ TIG LIFT +:

DC welding current from 5 to 200 A.

- Use with valve torch.
- Arc stop by lifting the torch then starts the down slope function.



Standards

EN 60974-1
EN 60974-5
EN 60974-10



2 ROLLERS



TIG LIFT +



16A plug



MOTOR GENERATOR
COMPATIBLE



TECHNICAL CHARACTERISTICS:

	PRECISA 200 MP
Primary power supply	230 V +/-10% - single phase
Fuse rating	16 A
No load voltage	35 V (in MIG)
	200 A (@ 20%)
Duty cycle	120 A
	95 A
Inductance	Electronique
Number of rollers	2
Connectors diameter	13 mm
Consumables diameter	Steel and stainless steel : 0.6 to 1.0 mm - Aluminium up to 1.2 mm - Coated electrode up to 4.0 mm
Gas connection	M 12 x 100
Reverse polarity	yes
Display	Graphical display
Protection index	IP22 S
Protection class	H
Dimensions (L x l x H)	500 x 280 x 420 mm
Weight	15 kg

TO ORDER:

Power source	W000377722
Options	
Extension for 300 mm spool	W000378662
Universal trolley	W000375730
Kit arc 25C50	W000260684
TIG torch with valve WTT2 26V 4 m	W000278885

■ MIG/MAG:

welding current from 30 to 200 A.

- Easy to use:
select and weld:
 - Synergy (12): material/gas/ wire diameter.
 - Mode 2T / 4T / Spot.
 - Thickness.
- Reverse polarity to allow welding of "self shielded" welding wires (no-gas).
- 12 synergies, carbon steel, stainless steel, aluminium and MIG brazing.
- 40 programs recordable.
- Use wire spools diameter 200 mm and 300 mm (option).
- European connector torch.
- Slope-up.
- Burn-back.
- Electronic inductance.
- Post-gas.
- Hot-start (2T, 4T) and crater filler (4T).

Equipement

- Power source: power source with 3 m long primary cable with plug + 3 m long ground cable + 3 m gas hose.



BLUMIG 243 C / 283 C / 353 C



**MIG/MAG
POWER SOURCES**

The BLUMIG range of MIG/MAG welding equipment is robust and powerful, providing the best performance on the market. It will meet all your needs.

Features and product advantages:

- **Input voltage:** 230 - 400 V three-phase.
- **Mode:** 2 T / 4 T / tack welding.
- **Wire feeder:** 4 roller plate.
- **Simple:** adjustment of the current with a switch and of the wire feed speed with a single knob control.
- **Digital display:** included on the BLUMIG 353 and an option for other models.
- **Versatile:** range of gases.
- **Reliable:** air cooled transformer.
- **Self adjusting** control board.

**COMPACT MACHINES
FOR INTENSIVE USE**

Standards

EN 60974-1
EN 60974-10



2007-153

- Torches see pages 3-11, 3-12 & 3-13
- Rollers see page 3-10

- 1 Selection 2T / 4T / tack welding.
- 2 Tack welding adjustment.
- 3 Displays.
- 4 Stick-out adjustment.
- 5 Wire speed.
- 6 Starting speed adjustment.
- 7 Power switch.
- 8 Switch on/off.
- 9 European connection for torch.

Delivered equipped with:

- electric primary cable,
- equipped earth cable,
- rollers 0.8- 1.0 mm,
- safety instructions,
- user manual.

TECHNICAL CHARACTERISTICS:

	BLUMIG 243 C	BLUMIG 283 C	BLUMIG 353 C
Input voltage	230 - 400 V three-phase		
Input power	6.8 kVA - 6 kW	10.5 kVA - 9 kW	13.5 kVA - 11.5 kW
Max input current	19 - 11 A	27 - 15 A	33 - 19 A
Effective current	10 - 6 A	15 - 9 A	20 - 11 A
Adjustment positions	7	10	14
Open circuit voltage	18 - 35 V	18 - 40 V	18 - 45 V
Welding current range	35 A - 220 A	35 A - 280 A	35 A - 350 A
Wire diameter	0.6 - 1.0 mm	0.6 - 1.0 mm	0.6 - 1.2 mm
Duty cycle at 40 °C	at 30% 200 A	250 A	300 A (35%)
	at 60% 140 A	170 A	270 A
	at 100% 110 A	140 A	210 A
Protection index	IP 23		
Dimensions (mm)	500 x 870 x 950		
Weight	71 kg	80 kg	96 kg

TO ORDER:

Power source only	W000263728	W000263729	W000264208
Options			
Reverse polarity kit		W000257998	
Digital display		W000352093	

MIG/MAG WELDING EQUIPMENT

MIG/MAG WELDING
EQUIPMENT



BLUMIG 353 S BLUMIG 403 S / 503 SH

The BLUMIG range of MIG/MAG welding equipment is robust and powerful, providing the best performance on the market. It will meet all your needs.

Features and product advantages:

- **Input voltage:** 230 V - 400 V three-phase.
- **Mode:** 2 T / 4T / tack welding.
- **Wire feeder:** 4 roller plate.
- **Stick-out:** adjustable with a potentiometer.
- **Simple:** adjustment of the current with a switch and of the wire feed speed with a single knot control.
- **Digital display:** precise adjustment and optimal reading (standard with 353/403).
- **Versatile:** for all solid or flux cored wires.
- **Powerful:** air cooled transformer.
- **Safety:** protection class IP 23.
- **Ergonomic design:** due to its pivoting wire feed unit support.
- **Perfect starting:** possibility to adjust the starting speed.



- 1 Selection 2T / 4T / tack welding.
- 2 Tack welding adjustment.
- 3 Wire speed.
- 4 Stick-out adjustment.
- 5 Starting speed regulation.
- 6 Digital displays.
- 7 European connection for torch
- 8 Power and on/off switch.
- 9 Power switch (precise adjustment).

SEPARATE WIRE FEEDER
HEAVY DUTY

Standards

EN 60974-1
EN 60974-10



TECHNICAL CHARACTERISTICS:

	BLUMIG 353 S	BLUMIG 403 S	BLUMIG 503 S	BLUMIG 503 SH
Compatible wire feeders	TF 300		TF 400	TF 400H
Input voltage 50 Hz	230 V - 400 V three-phase			
Input power	13.5 kVA - 11.5 kW	16.5 kVA - 14 kW	24 kVA - 20 kW	
Max input current	33 - 19 A	42 - 24 A	60 - 34 A	
Effective input current	20 - 11 A	25 - 14 A	35 - 20 A	
Adjustment positions	14	30	30	
Open circuit voltage	18 - 45 V	18 - 46 V	19 - 54 V	
Welding current	40 - 330 A	35 - 400 A	50 - 500 A	
Wire diameter	0.8 - 1.2 mm	0.8 - 1.2 mm	0.8 - 1.6 mm	
Duty cycle at 40 °C	at 35%	300 A	350 A	450 A
	at 60%	230 A	270 A	345 A
	at 100%	180 A	210 A	270 A
Protection index	IP 23			
Dimensions (mm)	500 x 1180 x 950		600 x 1250 x 1050	
Weight	93 kg	108 kg	140 kg	

TO ORDER:

Power source only	W000263731	W000263732	W000263733	W000263734
Cooler unit	-	-	-	W000262188
Liquid for cooling unit	-	-	-	W000227236
Options				
Digital display feeder	standard on power source			standard on wire



- Wire feeder see page 3-9
- Torches see pages 3-11, 3-12 & 3-13
- Rollers see page 3-10

Delivered equipped with:

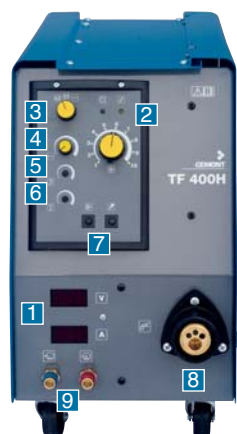
- electric primary cable,
- equipped earth cable,
- safety instructions,
- user manual.

TF 300 (air) / 400 (air) / 400H (water)

The TF wire feeders are compatible with all the power sources in the BLUMIG S range.
Delivered as standard with an insulated cable.

Features and product advantages:

- **Sealed structure:** protection of the wire feeding system.
- **Digital display:** A/V included on TF 400 and TF 400H.
- **Ergonomic design:** adjustment on the front panel, and pivoting wire feed unit support for easier storage and orientation of the wire feeders.
- **Efficient wire feeding:** 4 roller plate.
- **Safety:** secure locking of the wire feeding compartment.
- **Self adjusting** control board (TF 300).



- 1 Digital display A/V.
- 2 Wire speed.
- 3 Mode 2T / 4T / tack welding.
- 4 Tack welding adjustment.
- 5 Starting speed.
- 6 Stick-out adjustment.
- 7 Test / Purge gas / Wire advance.
- 8 Torch connection.
- 9 Water inlet / outlet on TF 400H type.



TECHNICAL DATA:

TF 300 - TF 400 - TF 400 H

	TF 300 AIR	TF 400 AIR	TF 400 WATER
Digital display A/V	-	✓	✓
Wheels	✓	✓	✓
Equipped for water cooled torch	-	-	✓
Rollers	0.8 (1.0) mm	1.0 (1.2) mm	

Cat. nr	TF 300	TF 400	TF 400 H
Harness length 5 m	W000263745	W000263747	W000263749
Harness length 10 m	W000263746	W000263781	W000263750
Harness length 20 m	-	W000263748	W000263751

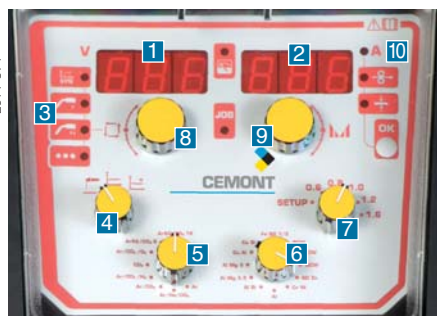


PRECISA 420 S

Power source with synergic regulation controlled by microprocessor for the MIG/MAG flat current welding of unalloyed, low alloyed and stainless steels. Capable also to MIG braze the copper alloy material. User friendly front panel with easy setting of welding parameters. Modular concept to fit with all users' requirements.

Features and product advantages:

- **Power supply:** 400 V + 15% - 20% three-phase.
- **Welding current:** up to 420 A (with 60% duty cycle @ 40 °C).
- **Mode:** synergic or manual, 2T/4T/Point.
- **Wire feeder:** 4 rollers.
- **Welding processes:** MIG / MAG - Speed Short Arc - MIG brazing - MMA electrode.
- **Modular:** Air or cooled versions. Different harnesses with variable length.
- **Compatible** with moto generator.



- 1 Welding voltage and set up parameter display.
- 2 Welding current or wire speed or thickness display.

- 3 Mode and welding cycle selection LEDs.
- 4 Process choice selector.
- 5 Gas selector.
- 6 Wire grade selector.
- 7 Wire diameter selector.
- 8 Scrolling of set up parameters.
- 9 Parameter setting.
- 10 Selector for wire speed or thickness display.

TECHNICAL CHARACTERISTICS:

	PRECISA 420 S
Power supply (three phase)	400 V + 15% - 20% 50/60 Hz
Maximum primary consumption (100%)	35.2 A
Temporised fuses	27.6 A
Maximal power	12.6 kW
Open circuit voltage	86 V
Welding range	15 - 420 A
Duty cycle	at 60% at 100%
	420 A 350 A
Wire diameter	0.6 - 1.6
Voltage setting	continuous
Processes	MIG / MAG - Speed Short Arc - MIG brazing - MMA
Protection index	IP 23S
Dimensions	521 x 273 x 738 mm
Weight (power source)	37 kg
Insulation index	H



**SYNERGIC
MIG/MAG WELDING**

Standards

EN 60974-1
EN 60974-10



**MOTOR GENERATOR
COMPATIBLE**



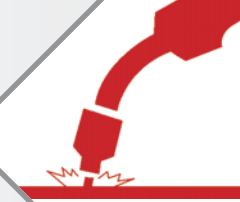
Three phase



- **Torches**
see pages
3-16, 3-17 & 3-18
- **Rollers**
see next page

Delivered equipped with:

- electric primary cable,
- equipped earth cable,
- safety instructions,
- user manual.



SYNERGIC MIG/MAG WELDING

PRECISA 420 S

TO ORDER

	Cat. nr	420	420W
PRECISA 420 S with primary cable and earth cable	W000377017	•	•
COOLER II cooling unit	W000273516		•
Wire feeder TF 420	W000377035	•	•
ADD ONS			
Harness air 2 m long	W000275894	•	
Harness air 5 m long	W000275895	•	
Harness air 10 m long	W000275896	•	
Harness air 15 m long	W000275897	•	
Harness air 25 m long	W000276901	•	
Harness air 50 m long	W000371244	•	
Harness water 2 m long	W000275898		•
Harness water 5 m long	W000275899		•
Harness water 10 m long	W000275900		•
Harness water 15 m long	W000275901		•
Trolley for installation TROLLEY II	W000279927	•	•
Trolley extension ARMS TROLLEY II	W000279930	•	•
Swivel for wire feeder	W000279932	•	•
Trolley for wire feeder	W000275908	•	•
Remote control RC SIMPLE	W000275904	•	•
Remote control RC JOB (100 programs memory)	W000273134	•	•
Electronic circuit PUSH-PULL II	W000275907	•	•
Flowmeter	W000275905	•	•
Anti dust filter for power source	W000373703 + W000373702	•	•
On site trolley	W000372274	•	•
WMT2 36A air cooled torch 3 m long	W000277482	•	
WMT2 36A air cooled torch 4 m long	W000277483	•	
WMT2 36A air cooled torch 5 m long	W000277484	•	
WMT2 500W water cooled torch 3 m long	W000277492		•
WMT2 500W water cooled torch 4 m long	W000277493		•
WMT2 500W water cooled torch 5 m long	W000277494		•
EUROJET flowmeter	W000375930	•	•
Kit electrode 50C50+ composition of welding cable with electrode holder and earth cable with clamp	W000260682	•	•

MIG/MAG WELDING EQUIPMENT

MIG/MAG WELDING
EQUIPMENT

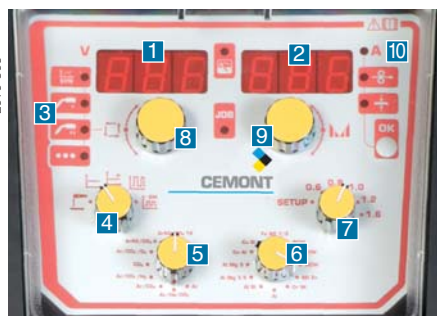


PRECISA 420 SP

Power source with synergic regulation controlled by microprocessor for the MIG/MAG flat or pulsed welding of unalloyed, low alloyed, aluminium and stainless steels. Capable also to MIG braze the copper alloy material. User friendly front panel with easy setting of welding parameters. Modular concept to fit with all users' requirements.

Features and product advantages:

- **Power supply:** 400 V + 15% - 20% three-phase.
- **Welding current:** up to 420 A (with 60% duty cycle @ 40 °C).
- **Mode:** synergic or manual Pulsed 2T/4T/Point.
- **Wire feeder:** 4 rollers.
- **Welding processes:** MIG / MAG - Speed Short Arc - Pulsed Spray Modal - MIG brazing - MMA electrode.
- **Modular:** Air or cooled versions. Different harnesses with variable length.
- **Compatible** with moto generator.



- 1 Welding voltage and set up parameter display.
- 2 Welding current or wire speed or thickness display.

- 3 Mode and welding cycle selection LEDs.
- 4 Process choice selector.
- 5 Gas selector.
- 6 Wire grade selector.
- 7 Wire diameter selector.
- 8 Scrolling of set up parameters.
- 9 Parameter setting.
- 10 Selector for wire speed or thickness display.

TECHNICAL CHARACTERISTICS:

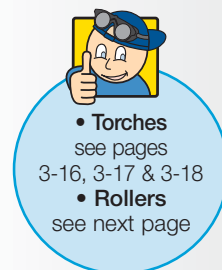
	PRECISA 420 SP
Power supply (three phase)	400 V + 15% - 20% 50/60 Hz
Maximum primary consumption (100%)	35.2 A
Temporised fuses	27.6 A
Maximal power	12.6 kW
Open circuit voltage	86 V
Welding range	15 - 420 A
Duty cycle at 60%	420 A
Duty cycle at 100%	350 A
Wire diameter	0.6 - 1.6
Voltage setting	continuous
Processes	MIG / MAG - Speed Short Arc - Pulsed Spray Modal - MIG brazing - MMA
Protection index	IP 23S
Dimensions	521 x 273 x 738 mm
Weight (power source)	37 kg
Insulation index	H



**SYNERGIC PULSED
MIG/MAG WELDING**

Standards

EN 60974-1
EN 60974-10



Delivered equipped with:

- electric primary cable,
- equipped earth cable,
- safety instructions,
- user manual.



SYNERGIC PULSED MIG/MAG WELDING

PRECISA 420 SP

TO ORDER

	Cat. nr	420	420W
PRECISA 420 SP with primary cable and earth cable	W000377016	•	•
COOLER II cooling unit	W000273516		•
Wire feeder TF 420	W000377035	•	•
ADD ONS			
Harness air 2 m long	W000275894	•	
Harness air 5 m long	W000275895	•	
Harness air 10 m long	W000275896	•	
Harness air 15 m long	W000275897	•	
Harness air 25 m long	W000276901	•	
Harness air 50 m long	W000371244	•	
Harness water 2 m long	W000275898		•
Harness water 5 m long	W000275899		•
Harness water 10 m long	W000275900		•
Harness water 15 m long	W000275901		•
Trolley for installation TROLLEY II	W000279927	•	•
Trolley extension ARMS TROLLEY II	W000279930	•	•
Swivel for wire feeder	W000279932	•	•
Trolley for wire feeder	W000275908	•	•
Remote control RC SIMPLE	W000275904	•	•
Remote control RC JOB (100 programs memory)	W000273134	•	•
Electronic circuit PUSH-PULL II	W000275907	•	•
Flowmeter	W000275905	•	•
Anti dust filter for power source	W000373703 + W000373702	•	•
On site trolley	W000372274	•	•
WMT2 36A air cooled torch 3 m long	W000277482	•	
WMT2 36A air cooled torch 4 m long	W000277483	•	
WMT2 36A air cooled torch 5 m long	W000277484	•	
WMT2 500W water cooled torch 3 m long	W000277492		•
WMT2 500W water cooled torch 4 m long	W000277493		•
WMT2 500W water cooled torch 5 m long	W000277494		•
EUROJET flowmeter	W000375930	•	•
Kit electrode 50C50+ composition of welding cable with electrode holder and earth cable with clamp	W000260682	•	•

MIG/MAG WELDING EQUIPMENT

MIG/MAG WELDING
EQUIPMENT

1. ROLLERS FOR WIRE FEEDERS

EASYMIG / MAXISTAR ranges

Roller	Steel
0.6 / 0.8 mm	W000232110
1.0 / 1.2 mm	W000232112
Entry wire guide	W000231810



BLUMIG range

Roller	Steel	Alu	Flux cored wire
0.6 mm	W000050096	-	-
0.8 mm	W000050097	W000050100	-
1.0 mm	W000050098	W000050101	-
1.2 mm	W000050099	W000050102	W000229621 (1.0 / 1.2 mm)
1.6 mm	W000218767	-	W000265883 (1.4 / 1.6 mm)
Entry wire guide	W000233472		
Intermediate wire guide	W000252183		
Exit wire guide	W000269661		

PRECISA 200MP

Galet	Acier	Alu
0.6 - 0.8 mm	W000378667	-
0.8 - 1.0 mm	W000378666	W000378668
1.2 mm	-	W000378669

	Guide fil
Entrée	W000378664
Sortie	W000378663

DV YARD

Galet	Fil massif acier et inox	Fil fourré	Aluminium et alliages
0.6 - 0.8 mm	W000305125	-	-
0.8 - 1.0 mm	W000267598	-	-
0.9 - 1.2 mm	W000277008	W000277010	-
1.0 - 1.2 mm	W000287599	-	W000260185
1.2 - 1.6 mm	W000305126	W000266330	W000260186
1.4 - 1.6 mm	W000277009	W000266331	-
1.6 - 2.4 mm	-	-	W000260187

	Guide fil
Guide fil d'entrée	W000382474
Guide fil intermédiaire	W000382475

2. WELDING TORCHES

EASYMIG / MAXISTAR ranges

	EASYMIG 151	EASYMIG 170
Replacement torch	W000264746	W000228236

MAXISTAR / BLUMIG / PRECISA ranges

Torches		WMT2-15 A	WMT2-25 A	WMT2-36 A	WMT2-500 W
Cooling		Air	Air	Air	Water
Duty cycle	CO ₂	180 A	230 A	300 A	500 A (at 100%)
at 60%	Ar + CO ₂	150 A	200 A	270 A	450 A (at 100%)
Length	3m	W000277445	W000277473	W000277482	W000277492
	4m	W000277447	W000277474	W000277483	W000277493
	5m	-	W000277475	W000277484	W000277494

Spool Gun SG 150 air cooled - 150 A - 100% - 6 m	W000228491
Spool Gun SG 300 air cooled - 300 A - 100% - 6 m	W000228490



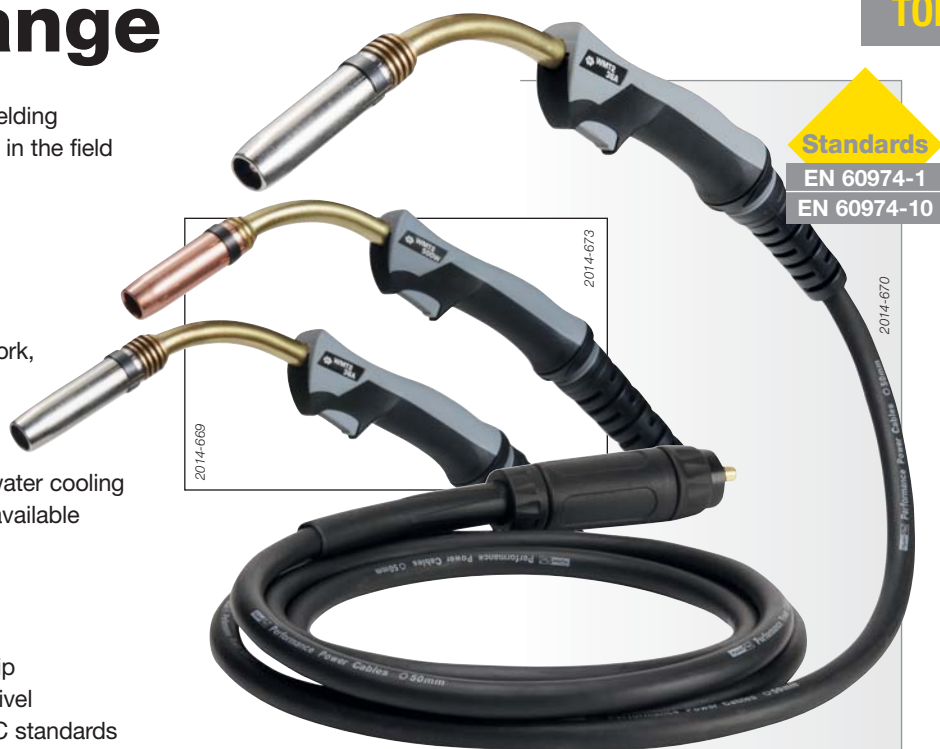
WMT2 range

A complete range of MIG MAG welding torches devised to meet all needs in the field of semi-automatic welding.

- **WMT2-15 A:** For car bodywork, due to its small overall size.
- **WMT2-25 A:** For interlocking, metal and maintenance work.
- **WMT2-36 A:** For steel metal work, mechanical welding and metal frames.
- **WMT2 401W et 500 W / WL:** For heavy duty work requiring water cooling of the torch. The swan neck is available in two lengths.

The Benefits:

- Very easy to use
- Ergonomic handle for perfect grip
- Flexibility thanks to the back swivel
- Wear parts in conformity with EC standards
- European connector



TECHNICAL CHARACTERISTICS:

Torches	WMT2-15 A	WMT2-25 A	WMT2-36 A	WMT2-401 W	WMT2-500 W / 500 WL*
Cooling	air	air	air	water	water
Duty cycle		@ 60%			@ 100%
CO ₂	180 A	230 A	300 A	460 A	500 A
Ar + CO ₂	150 A	200 A	270 A	350 A	450 A
Voltage class	L 113 V				
Wires used	Steel 0.6 to 1.0 mm	Steel 0.8 to 1.2 mm	Steel 0.8 to 1.6 mm		Steel 0.8 to 2.4 mm
	-	Alum. 1.0 to 1.2 mm	Alum. 1.0 to 1.6 mm		Alum. 1.0 to 2.4 mm
Gas supply	10 to 18 l/min	10 to 18 l/min	10 to 18 l/min	10 to 25 l/min	
Standard delivery with					
Contact tube	Steel 0.8 mm	Steel 1.0 mm	Steel 1.2 mm	Steel 1.2 mm	
Nozzle (diameter)	12.5 mm	14.0 mm	16.0 mm	16.5 mm	
Liner	For steel wire 0.6 - 0.8 mm	For steel wire 1.0 - 1.2 mm	For steel wire 1.0 - 1.2 mm	For steel wire 1.0 - 1.2 mm	

Cat. nr	WMT2-15 A	WMT2-25 A	WMT2-36 A	WMT2-401 W	WMT2-500 W	WMT2-500 WL*
3 m length	W000277445	W000277473	W000277482	W000370826	W000277492	W000277533
4 m length	W000277447	W000277474	W000277483	W000370827	W000277493	W000277534
5 m length	-	W000277475	W000277484	W000370828	W000277494	W000277535

*long swan neck

WMT2-15 A

Conical nozzle Ø 12.5 mm	W000010786*
Very conical nozzle Ø 10.0 mm	W000010787
Cylindrical nozzle Ø 16.0 mm	W000010788

Contact-tube support	W000277903
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Nozzle spring	W000277448
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M6x25 Cu - Ø 0.6 mm contact tube	W000010820
M6x25 Cu - Ø 0.8 mm contact tube	W000010821*
M6x25 Cu - Ø 1.0 mm contact tube	W000010822
M6x25 CuCrZr - Ø 0.6 mm contact tube	W000010823
M6x25 CuCrZr - Ø 0.8 mm contact tube	W000010834
M6x25 CuCrZr - Ø 1.0 mm contact tube	W000010835

0.6-0.8 - L 3 m helically corrugated steel liner	W000010730*
0.6-0.8 - L 4 m helically corrugated steel liner	W000010731*
1.0-1.2 - L 3 m helically corrugated steel liner	W000010733
1.0-1.2 - L 4 m helically corrugated steel liner	W000010734

WMT2-36 A

M6x28 Contact-tube support	W000010721
M8x28 Contact-tube support	W000010722*

Insulating diffuser	W000010780*
High temperature insulating diffuser	W000010781
Ceramic insulating diffuser	W000010782

Conical nozzle Ø 16.0 mm	W000010794*
Very conical nozzle Ø 14.0 mm	W000010795
Cylindrical nozzle Ø 20.0 mm	W000010796

M6x28 Cu - Ø 0.8 mm contact tube	W000010826
M6x28 Cu - Ø 1.0 mm contact tube	W000010827
M6x28 Cu - Ø 1.2 mm contact tube	W000010828
M6x28 Cu - Ø 1.6 mm contact tube	W000010829
M6x28 CuCrZr - Ø 0.8 mm contact tube	W000010830
M6x28 CuCrZr - Ø 1.0 mm contact tube	W000010831
M6x28 CuCrZr - Ø 1.2 mm contact tube	W000010832
M6x28 CuCrZr - Ø 1.6 mm contact tube	W000010833
M6x28 - Ø 1.0 mm alu contact tube	W000010850
M6x28 - Ø 1.2 mm alu contact tube	W000010851
M6x28 - Ø 1.6 mm alu contact tube	W000010852
M8x30 Cu - Ø 0.8 mm contact tube	W000010834
M8x30 Cu - Ø 1.0 mm contact tube	W000010835
M8x30 Cu - Ø 1.2 mm contact tube	W000010836*
M8x30 Cu - Ø 1.6 mm contact tube	W000010837
M8x30 CuCrZr - Ø 0.8 mm contact tube	W000010840
M8x30 CuCrZr - Ø 1.0 mm contact tube	W000010841
M8x30 CuCrZr - Ø 1.2 mm contact tube	W000010842
M8x30 CuCrZr - Ø 1.6 mm contact tube	W000010843
M8x30 - Ø 1.0 mm alu contact tube	W000010853
M8x30 - Ø 1.2 mm alu contact tube	W000010854
M8x30 - Ø 1.3 mm alu contact tube	W000010855

0.6-0.8 - L 3 m helically corrugated steel liner	W000010730
0.6-0.8 - L 4 m helically corrugated steel liner	W000010731
0.6-0.8 - L 5 m helically corrugated steel liner	W000010732
1.0-1.2 - L 3 m helically corrugated steel liner	W000010733*
1.0-1.2 - L 4 m helically corrugated steel liner	W000010734*
1.0-1.2 - L 5 m helically corrugated steel liner	W000010735*
1.6 - L 3 m helically corrugated steel liner	W000010867
1.6 - L 4 m helically corrugated steel liner	W000010868
1.6 - L 5 m helically corrugated steel liner	W000010869
1.0-1.2 - L 3 m Teflon liner	W000010736
1.0-1.2 - L 4 m Teflon liner	W000010737
1.0-1.2 - L 5 m Teflon liner	W000010738
1.6 - L 3 m Teflon liner	W000010745
1.6 - L 4 m Teflon liner	W000010746
1.6 - L 5 m Teflon liner	W000010747

WMT2-25 A

Conical nozzle Ø 14.0 mm	W000010790*
Very conical nozzle Ø 12.0 mm	W000010791
Cylindrical nozzle Ø 17.0 mm	W000010792

Contact-tube support	W000010720
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Nozzle spring	W000277477
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M6x28 Cu - Ø 0.8 mm contact tube	W000010826
M6x28 Cu - Ø 1.0 mm contact tube	W000010827*
M6x28 Cu - Ø 1.2 mm contact tube	W000010828
M6x28 CuCrZr - Ø 0.8 mm contact tube	W000010830
M6x28 CuCrZr - Ø 1.0 mm contact tube	W000010831
M6x28 CuCrZr - Ø 1.2 mm contact tube	W000010832
M6x28 - Ø 1.0 mm alu contact tube	W000010850
M6x28 - Ø 1.2 mm alu contact tube	W000010851

0.6-0.8 - L 3 m helically corrugated steel liner	W000010730
0.6-0.8 - L 4 m helically corrugated steel liner	W000010731
0.6-0.8 - L 5 m helically corrugated steel liner	W000010732
1.0-1.2 - L 3 m helically corrugated steel liner	W000010733*
1.0-1.2 - L 4 m helically corrugated steel liner	W000010734*
1.0-1.2 - L 5 m helically corrugated steel liner	W000010735*
1.0-1.2 - L 3 m Teflon liner	W000010736
1.0-1.2 - L 4 m Teflon liner	W000010737
1.0-1.2 - L 5 m Teflon liner	W000010738

WMT2 401W - 500 W / 500 WL (long swan neck)

Insulating diffuser	W000010783*
High temperature insulating diffuser	W000010784
Ceramic insulating diffuser	W000010785

Contact-tube support M6x28	W000010723
Contact-tube support M8x28	W000010724*

Conical nozzle Ø 16.5 mm	W000010797*
Very conical nozzle Ø 14.5 mm	W000010798
Cylindrical nozzle Ø 20.0 mm	W000010799

M6x28 Cu - Ø 0.8 mm contact tube	W000010826
M6x28 Cu - Ø 1.0 mm contact tube	W000010827
M6x28 Cu - Ø 1.2 mm contact tube	W000010828
M6x28 Cu - Ø 1.6 mm contact tube	W000010829
M6x28 CuCrZr - Ø 0.8 mm contact tube	W000010830
M6x28 CuCrZr - Ø 1.0 mm contact tube	W000010831
M6x28 CuCrZr - Ø 1.2 mm contact tube	W000010832
M6x28 CuCrZr - Ø 1.6 mm contact tube	W000010833
M6x28 - Ø 1.0 mm alu contact tube	W000010850
M6x28 - Ø 1.2 mm alu contact tube	W000010851
M6x28 - Ø 1.6 mm alu contact tube	W000010852
M8x30 Cu - Ø 0.8 mm contact tube	W000010834
M8x30 Cu - Ø 1.0 mm contact tube	W000010835
M8x30 Cu - Ø 1.2 mm contact tube	W000010836*
M8x30 Cu - Ø 1.6 mm contact tube	W000010837
M8x30 Cu - Ø 2.0 mm contact tube	W000010838
M8x30 Cu - Ø 2.4 mm contact tube	W000010839
M8x30 CuCrZr - Ø 0.8 mm contact tube	W000010840
M8x30 CuCrZr - Ø 1.0 mm contact tube	W000010841
M8x30 CuCrZr - Ø 1.2 mm contact tube	W000010842
M8x30 CuCrZr - Ø 1.6 mm contact tube	W000010843
M8x30 CuCrZr - Ø 2.0 mm contact tube	W000010844
M8x30 CuCrZr - Ø 2.4 mm contact tube	W000010845
M8x30 - Ø 1.0 mm alu contact tube	W000010853
M8x30 - Ø 1.2 mm alu contact tube	W000010854
M8x30 - Ø 1.6 mm alu contact tube	W000010855
M8x30 - Ø 2.0 mm alu contact tube	W000010856
M8x30 - Ø 2.4 mm alu contact tube	W000010857

0.6-0.8 - L 3 m helically corrugated steel liner	W000010730
0.6-0.8 - L 4 m helically corrugated steel liner	W000010731
0.6-0.8 - L 5 m helically corrugated steel liner	W000010732
1.0-1.2 - L 3 m helically corrugated steel liner	W000010733*
1.0-1.2 - L 4 m helically corrugated steel liner	W000010734*
1.0-1.2 - L 5 m helically corrugated steel liner	W000010735*
1.6 water - L 3 m helically corrugated steel liner	W000010739
1.6 water - L 4 m helically corrugated steel liner	W000010740
1.6 water - L 5 m helically corrugated steel liner	W000010741
2.0-2.4 water - L 3 m helically corrugated steel liner	W000010742
2.0-2.4 water - L 4 m helically corrugated steel liner	W000010743
2.0-2.4 water - L 5 m helically corrugated steel liner	W000010744
1.0-1.2 - L 3 m Teflon liner	W000010736
1.0-1.2 - L 4 m Teflon liner	W000010737
1.0-1.2 - L 5 m Teflon liner	W000010738
1.6 - L 3 m Teflon liner	W000010745
1.6 - L 4 m Teflon liner	W000010746
1.6 - L 5 m Teflon liner	W000010747
2.0-2.4 - L 3 m Teflon liner	W000010817
2.0-2.4 - L 4 m Teflon liner	W000010818
2.0-2.4 - L 5 m Teflon liner	W000010819

*Original torch equipment

MIG/MAG TORCHES

MIG/MAG WELDING
EQUIPMENT