

ELECTROCHEMICAL METAL- WORKING



CLEANO 3 – the entry-level model for cleaning TIG seams

Tools and accessories

- ▶ Tools are made entirely of stainless steel - therefore no corrosion
- ▶ Tools have bayonet lock - therefore very quick change possible
- ▶ All electrolytes are environmentally friendly and can be used in the food industry

The **CLEANO 3** is versatile and includes 1 programme:

- ▶ Clean with the high-performance brush
- With high-performance carbon fibre brush**
- ▶ even hard-to-reach areas and long seams can be cleaned
- ▶ And all absolutely thoroughly.
- ▶ Efficiently cleans TIG/TIG weld seams in seconds

The proven transformer technology allows:

- ▶ Compact device design
- ▶ fail-safe operation
- ▶ robust handling
- ▶ Simple and safe operation
- ▶ Use in the workshop and during assembly

Equipment features:

- ▶ 10 volts AC
- ▶ Sturdy carrying handle



Qualität Made in Germany



Info & Video



Technical data		CLEANO 3
Art. no.		1231120SK
Technical data		
Output voltage alternating current	V	10
Output current max.	A	80
Power	W	800
Electrical connection ~ 50 Hz	V	230
Dimensions (L x W x H) approx.	mm	298* x 145 x 225
Weight approx.	kg	7.9

*without cable connection

ACCESSORIES

ACCESSORIES	Art. no.
Initial equipment set for CLEANO 3	1231120ES
comprises:	
1231124KK	Plastic case
1236026ST	Brushline high-performance brush Ø 10 mm
1235024KS	Black ground cable, 3 m with bayonet lock
1235024KR	Ground cable, red, 3 m with bayonet lock
1232500WB	Wide-neck container, 500 ml
1232040DC	Electrolyte C Plus, 1 litre



Detailed accessories and descriptions can be found in the current **BYMAT price list** or at www.schweisskraft.de!

CLEANO 4

The professional entry-level model for easy and safe cleaning and polishing of TIG seams. And also marking bright and dark

Tools and accessories:

- ▶ Tools are made entirely of stainless steel - therefore no corrosion
- ▶ Tools have bayonet lock - therefore very quick change possible
- ▶ All electrolytes are environmentally friendly and can be used in the food industry

The CLEANO 4 is versatile and includes 4 different programmes:

- ▶ Clean with the high-performance brush
- ▶ Polishing with the high-performance brush
- ▶ Sign dark
- ▶ Sign bright

With high-performance carbon fibre brush

- ▶ even hard-to-reach areas and long seams can be cleaned
- ▶ And all absolutely thoroughly.
- ▶ Efficiently cleans TIG weld seams in seconds

The proven transformer technology allows:

- ▶ Compact device design
- ▶ fail-safe operation
- ▶ robust handling
- ▶ Simple and safe operation
- ▶ Use in the workshop and during assembly

Equipment features:

- ▶ 3-position switch
- ▶ Programmes (cleaning / polishing / marking)
- ▶ Sturdy carrying handle

- ① **WELD SEAM CLEANING**
- ② **POLISHING**
- ③ **MARKING**



Technical data	CLEANO 4
Art. no.	1231130SK

Technical data	
Output current	80 A
Power	800 W
Dimensions (L x W x H) approx.	345* x 180 x 285 mm
Primary voltage	230 V, 50 - 60Hz
Secondary voltage	10 / 12 V AC, 12V DC
Weight approx.	12 kg

*without cable connection

ACCESSORIES

ACCESSORIES	Art. no.
Initial equipment set for CLEANO 4	1231130ES
comprises:	
1231124KK	Plastic case
1236026ST	Brushline high-performance brush Ø 10 mm
1235024KS	Black ground cable, 3 m with bayonet lock
1235024KR	Ground cable, red, 3 m with bayonet lock
1232500WB	Wide-neck container, 500 ml
1232040DC	Electrolyte C Plus, 1 litre



Detailed accessories and descriptions can be found in the current **BYMAT price list** or at www.schweisskraft.de!

PREMIUM LINE / BRUSHLINE Accessories

BYMAT accessories	Product description	Art. no.
	5024 KR Premium line Ground cable, red, 3 m with bayonet lock and earth clamp	1235024KR
	5024 KS Premium line Ground cable, black, 3 m with bayonet lock	1235024KS
	5024 KL Earth clamp for welding cable	1235024KL
	502430 Adapter for Brush line and Premium line	123502430
	5024 AK Adapter with carbon anode 90°	1235024AK
	6024 VL Replacement filter fleece for 6024 RS (bag with 5 pieces)	1236024VL
	5024 HG Handle made of PTFE (Teflon) extremely acid-resistant and heat-resistant	1235024HG
	5024 ST Polishing punch made from PTFE (Teflon) extremely acid-resistant and heat-resistant with 60° carbon anode	1235024ST
	5025 ST Polishing punch made of PTFE (Teflon) extremely acid-resistant and heat-resistant with 90° carbon anode	1235025ST
	6025 ST High-performance brush with PTFE (Teflon) handle, extremely acid-resistant, heat-resistant, with brush A small 8 mm and adjusting sleeve	1236025ST
	6026 ST High-performance brush with PTFE (Teflon) handle, extremely acid-resistant, heat-resistant, with brush B medium 10 mm and adjusting sleeve	1236026ST
	6027 ST High-performance brush with PTFE (Teflon) handle, extremely acid-resistant, heat-resistant, with brush C large 14 mm and adjusting sleeve	1236027ST
	6025 PI Brush A small 8 mm (blue) and adjusting sleeve made of PTFE	1236025PI
	6026 PI Brush B medium 10 mm (black) and adjusting sleeve made of PTFE	1236026PI
	6027 PI Brush C large 14 mm (red) and adjusting sleeve made of PTFE	1236027PI
	6025 PO Replacement brush A small 8 mm (blue)	1236025PO
	6026 PO Replacement brush B medium 10 mm (black)	1236026PO
	6027 PO Replacement brush C large 14 mm (red)	1236027PO

Info & Video
Working correctly with the high-performance brush

BYMAT accessories	Product description	Art. no.
	6025 VH Adjusting sleeve made of PTFE (Teflon) A small for replacement brush 6025 PO, Ø 8 mm	1236025VH
	6026 VH Adjusting sleeve made of PTFE (Teflon) B medium for replacement brush 6026 PO, Ø 10 mm	1236026VH
	6027 VH Adjusting sleeve made of PTFE (Teflon) C large for replacement brush 6027 PO, Ø 14 mm	1236027VH
	Cleaning and marking felts (made of Nomex) 1206 SF Cleaning and marking felts 38 x 60 x 2.6 mm, 20 pieces 1207 SF Cleaning and marking felts 38 x 60 x 2.6 mm, 100 pieces	1231206SF 1231207SF
	Cleaning and marking felt rolls (made of Nomex) 1208 SF Cleaning and marking felt roll, 1 m x 60 mm x 2.6 mm, 10 pieces. 1209 SF Cleaning and marking felt roll, 5 m x 60 mm x 2.6 mm	1231208SF 1231209SF
	Polishing felts made from Kevlar - Aramid 1216 PF Polishing felts, 40 x 60 x 2.5 mm, 20 pieces 1217 PF Polishing felts, 40 x 60 x 2.5 mm, 100 pieces	1231216PF 1231217PF
	Polishing felt rolls made of Kevlar - Aramid 1214 PF Polishing felt roll, 1 m x 60 mm x 2.5 mm, 10 rolls 1215 PF Polishing felt roll, 5 m x 60 mm x 2.5 mm	1231214PF 1231215PF
	Polishing felts made from Kevlar 1219 PP Professional polishing felts 38 x 60 x 2.0 mm, 20 piece 1220 PP Professional polishing felts 38 x 60 x 2.0 mm, 100 piece	1231219PP 1231220PP
	1205 OR Replacement O-rings 26 x 2 mm, bag with 10 pcs. 1127 OR Replacement O-rings 26 x 2 mm, bag with 100 pcs. (Also for CLASSICLINE)	1231205OR 1231127OR
	2500 WB Wide-neck container, 500 ml (also for CLASSICLINE)	1232500WB
	2100 SF Spray bottle for water, 1 litre for filling with water or Neutralyt (Also for CLASSICLINE)	1232100SF
	2150 DS Pressure spray bottle for water, 1.5 litres, for filling with water or Neutralyt (Also for CLASSICLINE)	1232150DS

Electrolytes for cleaning / polishing

Electrolytes for cleaning of TIG welding seams	Art. no.
Brush gel NON-DRIP A 500 ml	1232020PG
<i>Basis: Phosphoric acid</i>	
Electrolyte A, for cleaning bright steels	
1000 ml	1232030DH
5000 ml	1232035DH
Electrolyte LF, for cleaning bright steels	
1000 ml	1232030LF
5000 ml	1232035LF
Electrolyte B, for cleaning matt steels	
1000 ml	1232011DB
5000 ml	1232015DB
For polishing TIG weld seams	
Electrolyte C, for electrochemical polishing	
500 ml	1232020DC
1000 ml	1232021DC
5000 ml	1232025DC
For cleaning & polishing Tig and MIG/Mag weld seams	
Electrolyte C Plus for electrochemical polishing	
2040 DC – 1000 ml	1232040DC
2045 DC – 5000 ml	1232045DC

Electrolytes for marking

For marking	
100 ml	1232101ET
500 ml	1232105ET
1000 ml	1232111ET
5000 ml	1232115ET
For negative marking	
100 ml	1232170EN
For bright marking (similar to engraving)	
500 ml	1232175EN
1000 ml	1232171EN
5000 ml	1232185EN
For dark marking	
100 ml	1232101EC-S
500 ml	1232105EC-S
1000 ml	1232111EC-S
5000 ml	1232115EC-S

For dark marking of Chrome vanadium	Art. no.
100 ml	1232120EC
500 ml	1232125EC
1000 ml	1232126EC
5000 ml	1232127EC

For marking brass, copper, tin	
100 ml	1232130EM
500 ml	1232135EM

For marking aluminium	
100 ml	1232140EA
500 ml	1232145EA

Special electrolyte for marking chrome	
500 ml	1232615SC

For marking dark stainless steel with a high chrome content	
100 ml	1232601ER
500 ml	1232600ER

For marking dark stainless steel with a high nickel content	
100 ml	1232601CA
500 ml	1232600CA
1000 ml	1232610CA

Electrolytes for neutralisation

Neutralyt to neutralise electrolyte	
500 ml	1232215NT
1000 ml	1232211NT
5000 ml	1232250NT

Electrolytes for electroplating

Zinc	
100 ml	1232410GZ
500 ml	1232450GZ

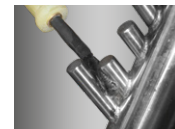
Gold	
100 ml	1232510GG
500 ml	1232550GG

Silver	
100 ml	1232710GS
500 ml	1232750GS

Comparison of electrolytes

Cleaning with a carbon fibre brush:

- ▶ Electrolyte C
- ▶ Electrolyte C Plus
- ▶ Electrolyte LF
- ▶ Electrolyte A



Label printers and labelling tapes

Label printer Brother P-Touch D610B



- ▶ Equipped with a PC interface and Bluetooth for designing and printing labels via the P-touch Editor software on your computer or via the iPrint&Label app on your smartphone and tablet
- ▶ Labels up to 24 mm wide can be printed at high speed
- ▶ Features an automatic cutting unit and a high-resolution colour display with backlighting
- ▶ Up to 99 templates can be saved for printing frequently used labels

Model		Brother Brother P-Touch D610B
Article no.		123D610B
Type of labelling tapes		TZe labelling tapes
Labelling tape width	mm	3.5; 6; 9; 12; 18; 24
Memory		99 memory locations
USB interface		Yes, USB 2.0 Full Speed
Bluetooth		Yes (5.0)
Network-compatible		PC interface
Product type		Thermal transfer
Display		LC display with backlight
Type of cutting unit		automatic, scissors
Screen size		20 characters x 2 lines
Setting the unit		Yes
Number of buttons		65

Special labelling tapes	Art. no.
Brother, 18 mm x 3 m	1231410ST
Brother, 24 mm x 3 m	1231510ST

Designation Art. no.

SHORT-TERM TEMPLATES

- Customised production according to your wishes
- Production according to the graphics, trademarks, type plates, device numbers, labelling numbers, scales, fonts and logos you provide
- Very long service life: up to 5000 markings possible with one template

One-off set costs for long-term template

with imageable original	1231000SD
according to template (e.g.business card, letterhead, fax)	1231000SK

Outer dimensions 35 x 40 mm - Usable surface 25 x 15 mm

framed in a plastic frame	1231001SB
unframed	1231001SU

Outer dimensions 1/2 DIN A8 (74 x 36 mm) - Usable surface 54 x 16 mm

framed in a plastic frame	1231012SB
unframed	1231012SU

Outer dimensions DIN A8 (74 x 52 mm) - Usable surface 54 x 32 mm

framed in a plastic frame	1231002SB
unframed	1231002SU

Outer dimensions 1/2 DIN A7 (105 x 47 mm) - Usable surface 85 x 27 mm

framed in a plastic frame	1231013SB
unframed	1231013SU

Outer dimensions DIN A7 (105 x 74 mm) - Usable surface 85 x 54 mm

framed in a plastic frame	1231003SB
unframed	1231003SU

Outer dimensions 1/2 DIN A6 (148 x 62.5 mm)-Usable surface 128 x 42.5 mm

framed in a plastic frame	1231014SB
unframed	1231014SU

Outer dimensions DIN A6 (148 x 105 mm) - Usable surface 128 x 85 mm

framed in a plastic frame	1231004SB
unframed	1231004SU

Outer dimensions 1/2 DIN A5 (210 x 94 mm) - Usable surface 170 x 54 mm

framed in a plastic frame	1231015SB
unframed	1231015SU

Outer dimensions DIN A5 (210 x 148 mm) - Usable surface 170 x 108 mm

framed in a plastic frame	1231005SB
unframed	1231005SU

Outer dimensions 1/2 DIN A4 (297 x 125 mm) - Usable surface 257 x 85 mm

framed in a plastic frame	1231016SB
unframed	1231016SU

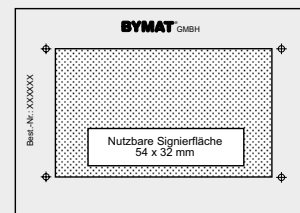
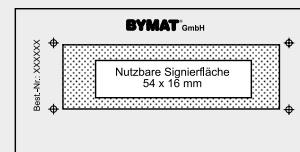
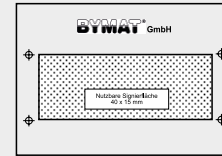
Outer dimensions DIN A4 (297 x 210 mm) - Usable surface 257 x 170 mm

framed in aluminium frame	1231006SA
framed in a plastic frame	1231006SB
unframed	1231006SU

Long-term template special size	1231007SG
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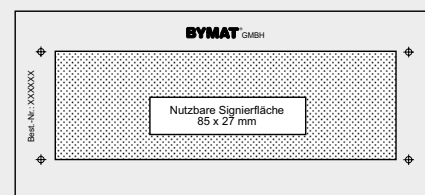
Outer dimensions 25 x 40 mm

1231001SB Long-term template framed in plastic frame (Usable area 40 x 15 mm)	1231001SU Long-term template unframed (Usable area 40 x 15 mm)
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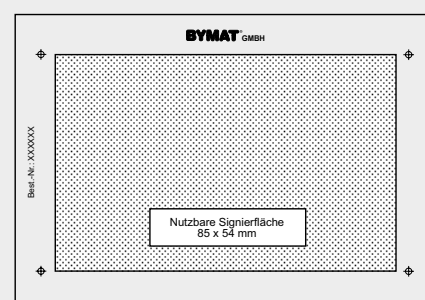
External dimension 1/2 A 7 (105 x 47 mm)

1231013SB Long-term template framed in plastic frame (85 x 27 mm usable area)	1231013SU Long-term template unframed (85 x 27 mm usable area)
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Outer dimensions DIN A 7 (105 x 74 mm)

1231003SB Long-term template framed in plastic frame (85 x 54 mm usable area)	1231003SU Long-term template unframed (85 x 54 mm usable area)
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MIG/MAG

TIG inverter

Electrode inverter

Laser welding

Plasma cutters

Electrochemical processing

Welding accessories

Replacement carbons for cleaning, polishing, marking and electroplating stamps

