schweißkraft
Schweißtechnik

VARIOPROTECT

Operating Instuction

Automatic Welding Helmet

VarioProtect XXL-W-2 TC

VarioProtect XXL-W-2 TC

Imprint

Product identification

Automatic Welding Helmet	Item number
VarioProtect XXL-W-2 TC	1654025

Manufacturer

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Indications regarding the operating instructions

Original instructions

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Angaben zum Urheberrecht

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Content

1 Introduction

You have made a good choice by purchasing the Schweißkraft welding helmet.

Read the operating manual thoroughly before commissioning the machine.

It gives you information about the proper commissioning, intended use and safe and efficient operation and maintenance of your welding helmet.

The operating manual is part of des Schweißhelms. Always keep this operating manual in the location where your welding helmet is being operated. All local accident prevention regulations and general safety instructions for the operating range of your welding helmet must also be complied with.

The Illustrations in this operating instruction serve for the general understanding and may deviate from the actual design.

1.1 Copyright

The contents of these instructions are copyright. They may be used in conjunction with the operation of the welding helmet. Any application beyond those described is not permitted without the written approval of Stürmer GmbH.
For the protection of our products, we shall register trademark, patent and design rights, as this is possible in individual cases. We strongly oppose any infringement of our intellectual property.

1.2 Customer service

Please contact your dealer if you have questions concerning your Automatic Welding Helmet or if you need technical advice. They will help you with specialist information and expert advice.

Germany:
Stürmer Maschinen GmbH
Dr.-Robert-Pfleger-Str. 26
D-96103 Hallstadt

Repair service:
Fax: 0049 (0) 951 96555-111
Email: service@stuermer-maschinen.de

Spare part orders:
Fax: 0049 (0) 951 96555-119
Email: ersatzteile@stuermer-maschinen.de

We are always interested in valuable experience and knowledge gained from using the application-which then could be shared and be valuable to develop our products even further.

1.3 Limitation of liability

All information and notes in these operating instructions were summarised while taking applicable standards and rules, the state-of-the-art technology and our long-term knowledge and experiences into consideration.

In the following cases the manufacturer is not liable for damages:

- Non-observance of the operating instructions,
- Inappropriate use
- Use of untrained staff,
- Unauthorised modifications
- Technical changes,
- Use of not allowed spare parts.

The actual scope of delivery may deviate from the explanations and presentations described here in case of special models, when using additional ordering options or due to latest technical modifications.

The obligations agreed in the delivery contract, the general terms and conditions as well as the delivery conditions of the manufacturer and the legal regulations at the time of the conclusion of the contract are applicable.

2 Safety

This section provides an overview of all important safety packages for the protection of operating personnel as well as for safe and fault-free operation. Other task-based safety notes are included in the paragraphs of the individual phases of life.

2.1 Symbol explanation

Safety instructions

The safety notes in these operating instructions are highlighted by symbols. The safety notes are introduced by signal words which express the concern of the risk.

DANGER!

This combination of symbol and signal words indicates an imminently dangerous situation which may lead to death or severe injury if not avoided.

WARNING!

This combination of symbol and signal words indicates a potentially dangerous situation which may lead to death or severe injury if not avoided.

CAUTION!

This combination of symbol and signal words indicates a potentially dangerous situation which may lead to slight or minor injury if not avoided.

ATTENTION!

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to property and environmental damages if they are not avoided.

NOTE!

This combination of symbol and signal words indicates a potentially dangerous situation which may lead to material or environmental damage if not avoided.

Tips and recommendations

Tips and recommendations

This symbol highlights useful tips and recommendations as well as information for an efficient and trouble-free operation.

It is necessary to observe the safety notes written in these operating instructions in order to reduce the risk of personal injuries and damages to property.

2.2 Safety regulations

ATTENTION!

Serious injury can occur if the user ignores the warnings and/or refuses to follow the instructions in the operating manual!

ATTENTION!

Before use make sure the protection films on both inside & outside protection lens are removed (if available).

- This welding helmet is not suitable for use in laser welding with gas and/or oxygen and acetylene welding or cutting processes.
- Check the welding helmet for visible damage and defects before use. Repair defects and damage immediately.
- Do not use the welding helmet in wet environments, rain, etc.
- Only use original spare parts and accessories.
- Check the helmet for light transmission
- Never place this welding helmet or filter on a hot surface.
- Protect the filter from dirt.
- Never open the welding filter.
- Before using the wwelding helmet, make sure that the operating mode is set correctly. - „Welding“ or „Grinding“.
- This welding helmet does not protect you from explosives or corrosive liquids.
- Do not make any changes, not on the welding filter or the welding helmet, unless it is explicitly stated in this manual.
- If the viewing window does not darken immediately after the welding arc is ignited, welding must be stopped immediately. Contact your supervisor or your dealer immediately.
- Do not use any solvents on the window or helmet.
- Only use the welding helmet at temperatures between -5 °C and +50 °C.
- Store the helmet at temperatures between -20 °C and +70 °C.
- Protect the viewing window from liquid and dirt.
- Clean the viewing window regularly and do not use strong cleaning agents.
- Keep the sensors and solar panel clean. Use a clean, lint-free cloth for cleaning.
- Replace the sensors if they are damaged.
- Replace the protective lens regularly or if they are scratched or damaged.
- Set the correct protection level before using the helmet.
- Adjust the headband so that the helmet sits as low as possible on your head and close to your face. Adjust the angle of the helmet in the lowered position by turning the adjustable limiting disc.
- Select the necessary position of the welding/grinding switch before welding.

3 Indended Use

Der VarioProtect XXL-W-2 TC is suitable for electrode, MIG/MAG and TIG welding and for grinding.

The welding helmet VarioProtect XXL-W-2 TC is exclusively intended to protect the eyes of welders against harmful radiation in the visible range, ultraviolet (UV) and infrared (IR) during certain arc and gas welding processes in accordance with these operating instructions.

The welding helmet is designed for all types of electro welding processes with electrodes: Wolfram Inert Gas welding (TIG), Metal Inert Gas - Metal Active Gas (MIG-MAG), Plasma welding and cutting.

Any use other than that described in these operating instructions is not permitted. Intended use also includes compliance with all information in these instructions. Any use beyond the intended use or any other use is considered misuse.

Unauthorised conversions or changes to the welding helmet are prohibited. This may invalidate the CE conformity. The company Stürmer Maschinen GmbH accepts no liability for design and technical modifications to the welding helmet.

The improper use of the welding helmet as well as disregarding the safety regulations or the operating instructions excludes the manufacturer's liability for any resulting damage to persons or objects and invalidates the warranty claim!

3.1 Improper use

WARNING!

Danger in case of misuse!

Incorrect use of the welding helmet can lead to dangerous situations.

- Only operate the automatic welding helmet in the power range specified in the technical data.
- Never bypass or disable the safety devices.
- Only operate the automatic welding helmet in a technically perfect condition.

Foreseeable improper use

- Do not use the welding helmet for welding if the protection level is not suitable.
- Do not use the welding helmet for welding in grinding mode.
- Do not use the welding helmet for sun protection.
- Do not use the welding helmet as a safety helmet for flying parts.

4 Technical Data

Technical Data	Vario-Protect XXL-W-2 TC
Length (Product) approx. [mm]	244
Width/Depth (Product) approx. [mm]	295
Height (Product) approx. [mm]	323
Net weight approx. [g]	430
Operating temperature [°C]	-5 to +50
Storage temperature [°C]	-20 to +70
Class	1/1/1/1
Switch-over response time from light to dark [ms]	0,3
Switch-over response time measured at temperature [°C]	55
Brightening time adjustment	steplessly adjustable
UV-/IR Protection	Up to Shade DIN 16 at all time
Shade	Protection level 4
Dark Protection level	DIN 4-13
Safety level at disturbance or in switched off condition	DIN 4
Number of sensors [pcs.]	4
Viewing window width [mm]	100
Viewing window height [mm]	73
Cassette length [mm]	133
Cassette width [mm]	122
Cassette height [mm]	8
Sensitivity	steplessly adjustable
Lens thickness [mm]	1

5 Description

Fig. 1: Description VarioProtect XXL-W-2 TC

1 View window: Outer lens, filter cassette (ADF=Auto Darkening Filter), inner lens
2 Adjusting knob for side headbands
3 Top headband adjustment
4 Adjusting knob for rear headband
5 Cassette (ADF - behind the inner lens)
6 Identification welding helmet SWM 175 B CE
7 BATTERY display and test button
8 Setting the sensitivity (SENSITIVITY)
9 Dark to light transition time (DELAY)
10 Setting the protection levels (SHADE)
11 Operating mode switch
12 Identification 4 / 4-8 / 9-13 SWM 1/1/1/1/379 CE

5.1 Wear parts

Description	Item No.	Packing unit/ price unit	Con-tent
Outer lens	1662075	PU	10
Inner lens	1662076	PU	10
Headband complete	1662032	Piece	
Sweatband for forehead	1662023	Piece	
Battery	1662034	Piece	
Filter cassette	1662077	Piece	
Magnifying lens 2.0	1662036	Piece	

6 Transport, packaging, storage

6.1 Transport

Check the welding helmet on delivery for any visible transportation damage. If you notice any damage to the device please report this immediately to the carrier or dealer.

6.2 Packaging

All used packaging materials and packaging aids are recyclable and should be taken to a materials recycling depot to be disposed of.

The delivery packaging is made of cardboard, so please dispose carefully by having it chopped up and given to the recycling collection

The film is made of polyethylene (PE) and the cushioned parts of polystyrene (PS). Deliver these substances to a collection point for recyclable materials or to the waste disposal company which looks after your region.

6.3 Storage

The welding helmet must be stored thoroughly cleaned in a dry, clean environment at temperatures ranging from -20 °C to +70 °C.
The solar cells of the filter should be stored in the dark or not exposed to light.

7 Product characteristic and setting options

The automatic welding filter in the welding helmet VarioProtect XXL-W-2 TC was developed to protect the eyes and face from welding sparks, welding splashes and harmful radiation under normal welding conditions. The automatic welding filter automatically changes its state from light to dark when an arc is ignited. The view through the helmet automatically becomes brighter when welding is no longer being carried out.

The VarioProtect XXL-W-2 TC is ready for immediate use upon delivery. Before you start welding, all you need to do is adjust the helmet's head straps and select the correct brightness level.

The shape of the helmet relieves the head and neck of the welder, so the user feels more comfortable while working.

As soon as an arc is ignited, the photo sensors on the welding filter react and darken the view in 0.3 milliseconds.

7.1 Selection of delay time

When welding is interrupted, the viewing window automatically changes from dark to light, but with a preset delay so that the bright light from the afterglow on the workpiece is always reduced. The delay or reaction time can be adjusted between 0.2 and 1.0 seconds as required using the DELAY control on the inside of the helmet.

The switch-over time can be different depending on the welding process and sensitivity setting, even if the switch for the delay time is in the same position. If the filter flashes when welding under low current conditions, set the delay time to the „Long“ position, this may solve the problem.

Fig. 2: Selection of delay time

7.2 Setting the sensitivity

Switching the filter to darkening can be adjusted steplessly between High (high sensitivity) and Low (low sensitivity) with the „SENSITIVITY“ control on the inside of the helmet.

Before welding, set the sensitivity to the highest position and adjust it accordingly during welding if necessary.

If the filter darkens without welding, slowly adjust the „Sensitivity“ to a lower position until the filter returns to the light state (do not hold the welding helmet against a light source, but over the workpiece). During welding, the sensitivity knob should be set as high as possible.

Fig. 3: Setting the sensitivity

ATTENTION!

The operator must stop using with the helmet immediately if the filter does not darken, or the darkening speed is too slow, or the filter flashes. Contact your dealer.

7.3 Setting the operating mode

With the operating mode switch it is possible to choose between „Weld“ (with protection levels 4 - 8 or 9 - 13) and „Grind“.

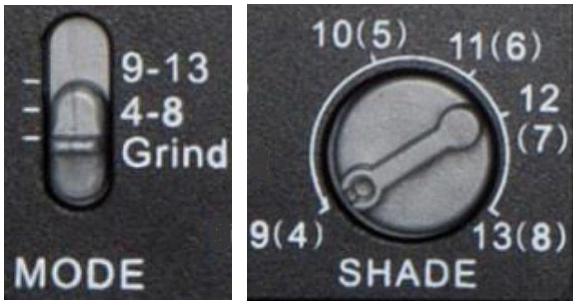

Fig. 4: Operating mode and protection level switches

When grinding, the helmet protects against impacting particles. The darkening function is switched off.

ATTENTION!

Before starting welding, it is important that the operating mode switch is set to a protection level for welding again.

7.4 Setting the shade control

The shade ranges (from DIN4 to DIN8, or from DIN9 to DIN13) are selected with the shade knob on the inside of the helmet (Fig. 4).

Thanks the welding filters, the eyes and face of the welder are completely protected against UV and IR radiation during the welding work, even if the cassette does not darken. The UV/IR protection is always up to DIN 16, so the user is always protected against UV/IR radiation during welding.

Before welding, set the shading level according to the welding method and welding current in accordance with the colour table (Fig. 8).

If the darkening is too strong or too slow, adjust the knob slightly until the weld spot can be seen.

ATTENTION!

If the welding helmet is used for a long time with the wrong shading level, the eyes may be injured!

7.5 Power supply, test button

The power supply for the welding helmet is provided by a battery.

By pressing the Test button, the charge level of the lithium battery and the function of the filter can be checked.

Fig. 5: Battery test

During normal operation of the filter, after pressing the Test button, the battery indicator lights up red and the filter darkens.

If the battery indicator does not lightening or light is very weak, the battery must be replaced (battery type CR2450, lithium battery).

If the battery indicator lights up and the filter does not darken, the filter is defective and must be replaced.

7.6 Headband adjustment options

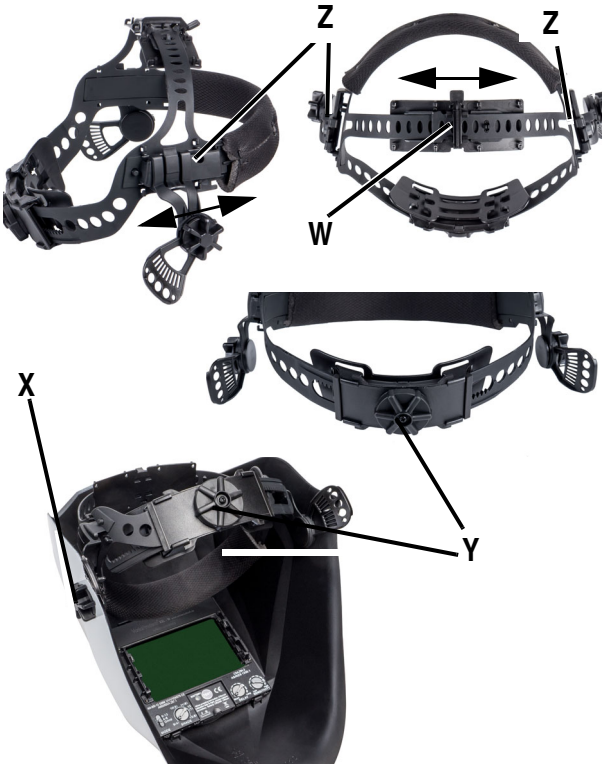

Fig. 6: Headband adjustment

1. Upper headband W (Fig. 6) - Adjustment in the direction of the arrow further or narrower to adjust the helmet to a suitable position.
2. Side bands Z - Adjustment option symmetrically further or narrower in the direction of the arrow on both sides to adjust the distance of the user's eyes to the filter lens. To adjust, loosen the knobs on both sides of the helmet, move the helmet symmetrically to the appropriate position and retighten the knobs.
3. Rear headband Y - Adjustment with knob further or narrower to adjust the fit of the helmet looser or firmer..
4. Tilt angle X - 4 adjustment options to adjust the height of the user's eyes to the filter lens and the angle of the helmet to the user's face. To adjust, loosen the knobs on the outside of the helmet, move the helmet to the appropriate position and retighten the knobs.

Due to the adjustment of the headband results in a maximum comfort.

This model is equipped with a folding mechanism (up and down). When the welder turns the helmet towards the top of the head, the headband mechanism makes the helmet's centre of gravity a little lower and coincides with the centre of gravity of the welder's head.
The design of the welding helmet provides for less fatigue on the head and neck of the welder, and thus for a more comfortable feeling while working.

If the headgear has been unevenly adjusted, and the distance from the eyes to the filter lens is uneven, reset the headgear to reduce the distance to the filter.

8 Notes before commissioning

- The automatic welding helmet is delivered ready for use. All you need to do before welding is to adjust the position of the headband and select the correct level of darkening for your application.
- Before using for the first time, remove the protective film on both sides of the protective glass (if present).
- Make sure the view window is clean and that no dirt covers the four sensors on the front of the filter cartridge. Also, make sure the inner and outer lens are firmly seated in the frame.
- Inspect all parts for visible damage and signs of use before putting into operation. To prevent serious injury, scratched, cracked or perforated parts should be replaced immediately before the helmet is used again.
- Ensure that the helmet is firmly attached before each use.
- Choose an optimum Shade number for the required welding process or application. Turn the setting knob for the protection level to the appropriate value. Make sure the setting is correct by taking the „Recommended Shade Numbers“ table (Fig. 8).
- Adjust the headbands so that the welding helmet sits as low as possible on the head and close to the face. When using the welding helmetat a lower location, the angle must be adjusted.

9 Automatic welding protection filter

Identification: 4 / 4-8 / 9-13 SWM 1/1/1/1/379 CE

Optical characteristics

Optical class:	1
Scattered-light class:	1
Homogeneity class:	1
Angle dependency class:	1

Magnifying lens

The filter cassette can be equipped with a magnifying lens if necessary.

Fig. 7: Magnifying lens

10 Common problems and solutions

Irregular darkening

• The headband may be adjusted unevenly on both sides of the helmet (asymmetrical distances between eyes and viewing window). Re-adjust the headband and the distance to the viewing window..

Automatic cassette does not darken or only flickers

• Sensors dirty or the solar panel covered.
→ Clean the surface of the sensors.

• Outside splash disc dirty or damaged.
→ Replace or clean the outside splash disc.

• Sensitivity is set too low or the delay time is set too short.
→ Set to the required value.

• Insufficient shade level set.
→ Set the proper shade level.

Automatic cassette darkened without arc

• SENSITIVITY is set too high.
→ Set to required value.

Auto-darkening-filter (ADF) stays dark after welding

• DELAY is set too high.
→ Set to required value

Reaction time is too long

• Operating temperature is too low.
→ Do not use below - 10 °C.

Poor vision

• Outer splash disc and/or inner splash disc dirty.
→ Check, clean or replace splash discs.

• Insufficient ambient light.
→ Adjust the ambient light.

• Shade number is set incorrectly.
→ Refer to the colour table (Fig. 8) for the correct setting.

Welding helmet slips

• Headbands not set correctly.
→ Adjust the headbands correctly.

WARNING!

The user must immediately remove the welding helmet if the above problems can not be solved. Contact your dealer.

WARNUNG!

If the material comes into contact with the user's skin, this could cause an allergic reaction on the skin under some circumstances.

11 Color table (Recommended shade numbers)

Arc Current (Amperes): 0.5, 1, 2.5, 5, 10, 15, 20, 30, 40, 60, 80, 100, 125, 150, 175, 200, 225, 250, 275, 300, 350, 400, 450, 500

Welding Process	Shade numbers (with increasing arc current)
SMAW	9, 10, 11, 12, 13, 14
MIG (heavy)	10, 11, 12, 13, 14
MIG (light)	10, 11, 12, 13, 14, 15
TIG,GTAW	9, 10, 11, 12, 13, 14
MAG/CO_2	10, 11, 12, 13, 14, 15
SAW	10, 11, 12, 13, 14, 15
PAC	11, 12, 13
PAW	8, 9, 10, 11, 12, 13, 14, 15

Note:

- SMAW-Shielded Metal Arc Welding.
- TIG, GTAW-Gas Tungsten Arc Welding.
- MIG (heavy)-MIG on heavy metals.
- SAW Shielded Semi-Automatic Arc Welding.
- MIG (light)-MIG on light alloys.
- PAC-Plasma Arc Cutting.
- PAW-Plasma Arc Welding.

Fig. 8: Color table

12 Description of the marking

Each product is marked with the shade number (DIN 4 to DIN 8 and DIN 9 to DIN 13). Make sure that products have correct shade number before welding.

The eye protection classification is made according to EN 379. Other makings on the products are made according to relevant European Standards

ExampleFilter (EN 379):

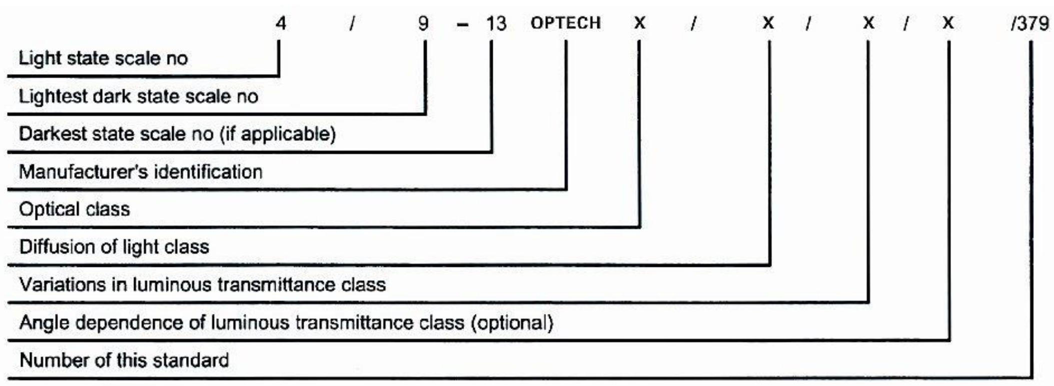

Fig. 9: Classification for the eye protection

The welding head unit and the outer lens are marked with identification letters indicating the protection class against impact energy (flying parts):

Protective helmet: SWM 175 B CE
175: Standard
B: Medium impact energy (shelling 120 m/s).

Outer lens (Safety lens): SWM B CE
B: Medium impact energy (shelling 120 m/s);

Inner lens: SWM F CE
F: Low impact energy (45 m/s);
SWM: Identification of manufacturer
CE: CE Mark

The protective equipment must meet the requirements for operating temperatures from -5 °C to +50 °C. Otherwise, the eye protection equipment may only be used at room temperature.

CAUTION!

The mechanical strength of the helmet can only be as strong as its weakest part.

13 Care, maintenance and repair

WARNING!
Danger in case of insufficient qualification of the staff!

Insufficiently qualified persons cannot estimate the risks to the user resulting from improper repair work on the welding helmet and expose themselves and others to the risk of serious injury.

Have all maintenance work carried out only by qualified persons.

NOTE!

After care, maintenance and repair work, check that all covers and protective devices are properly remounted on the welding helmet.

Damaged guards and parts must be repaired or replaced by customer service.

13.1 Care by cleaning

Clean the outside of the welding helmet with a damp cloth.

Clean the solar cells and the light sensors of the filter with a soft cloth or with a cloth moistened with mild detergent or alcohol.

ATTENTION!

Never use aggressive solvents such as acetone.

13.2 Replacement of the cover lens and the filter cassette

Replacement of the outer lens if it is damaged (cracked, scratched, dirty or or holed)

1. Remove the filter cassette from the inside of the welding helmet. To do this, press the lock on the top backwards and remove the cassette from the catches.
2. Remove the outer lens behind the cassette inwards from the frame.
3. Insert the new outer lens, then insert the filter cassette into the frame and snap it into place.

Replacement of the inner lens if it is damaged (cracked, scratched, dirty or or holed)

1. Unscrew the four cross-head screws on the filter cassette and remove the frame pieces.
2. Remove the inner facing panel and insert the new inner lens.

Replacing the filter cassette

1. Remove the filter cassette from the helmet shell. To do this, fold up the upper end of the filter housing and remove the filter cassette from the frame. .
2. Insert the new filter cassette into the frame and engage the lock. Make sure that the filter cassette is correctly inserted in the frame.

13.3 Battery change

Push the battery carrier out of the battery holder with the battery facing down.

Fig. 10: Remove the battery

Remove the battery from the battery carrier and insert the new battery into the battery carrier with the + side upwards.

Then insert the battery carrier with the battery into the battery holder.

13.4 Maintenance/repair

ATTENTION!

- Repairs or maintenance work may only be carried out by qualified and trained personnel.
- Use only original spare parts

If the welding helmet does not function properly, contact a specialised dealer or our customer service. The contact details can be found in chapter 1.2 Customer service.

14 Disposal, recycling of used devices

Please take care in your own interest and in the interest of the environment that all component parts of the machine are only disposed of in the intended and permitted way.

14.1 Decommissioning

Discarded devices must be taken out of service immediately in a professional manner in order to avoid later misuse and danger to the environment or persons.

- Remove batteries and accumulators, if available.
- If necessary, dismantle the welding helmet into manageable and recyclable assemblies and components.
- Dispose of the components in the designated disposal channels.

14.2 Disposal of the new equipment packaging

All packaging materials and packaging aids used are recyclable and must always be sent for material recycling.

These components are to be disposed of separately and in a professional manner. In case of doubt, contact the municipal waste disposal service.

If necessary, use the services of a specialised waste disposal company for processing.

15 Spare parts

DANGER!

Danger of injury by the use of wrong spare parts!

Dangers may result for the user and damages as well as malfunctions may be caused by using wrong or damaged spare parts.

- Only use original spare parts of the manufacturer or spare parts admitted by the manufacturer.
- Always contact the manufacturer in case of uncertainties.

NOTE!

The manufacturer's warranty will become null and void if non-permissible spare parts are used

15.1 Ordering spare parts

The spare parts may be purchased with the authorised dealer or directly with the manufacturer. Please find the corresponding contact data in Chapter 1.2 Customer service.

Indicate the following basic information for requests or orders of spare parts:

- Type of device
- Item No.
- Position No.
- Year of construction:
- Quantity
- Required mode of dispatch (mail, freight, sea, air, express)
- Address of dispatch

Spare part orders which do not include the above indications may not be taken into consideration. If the indications regarding the mode of dispatch are missing, the product is dispatched at the discretion of the supplier.

You will find information regarding the device type, item No. and year of manufacture on the type plate fixed to the welding helmet.

Example:

The filter cassette for the welding helmet VarioProtect XXL-W-2 TC bestellt werden. The filter cassette has the number 2 in the spare parts drawing 1.

When ordering spare parts, send a copy of the spare parts drawing (1) with marked component (filter cassette) and marked item number (2) to the authorised dealer or to the spare parts department and provide the following information:

Type of device:	**Automatic Welding Helmet VarioProtect XXL-W-2 TC**
Item number:	**1654025**
Positin number:	**2**
Drawing number:	**1**

15.2 Spare parts drawings

The following drawings should help you to identify necessary spare parts in case of service. If necessary, send a copy of the parts drawing with the marked components to your dealer.

Spare parts drawing 1

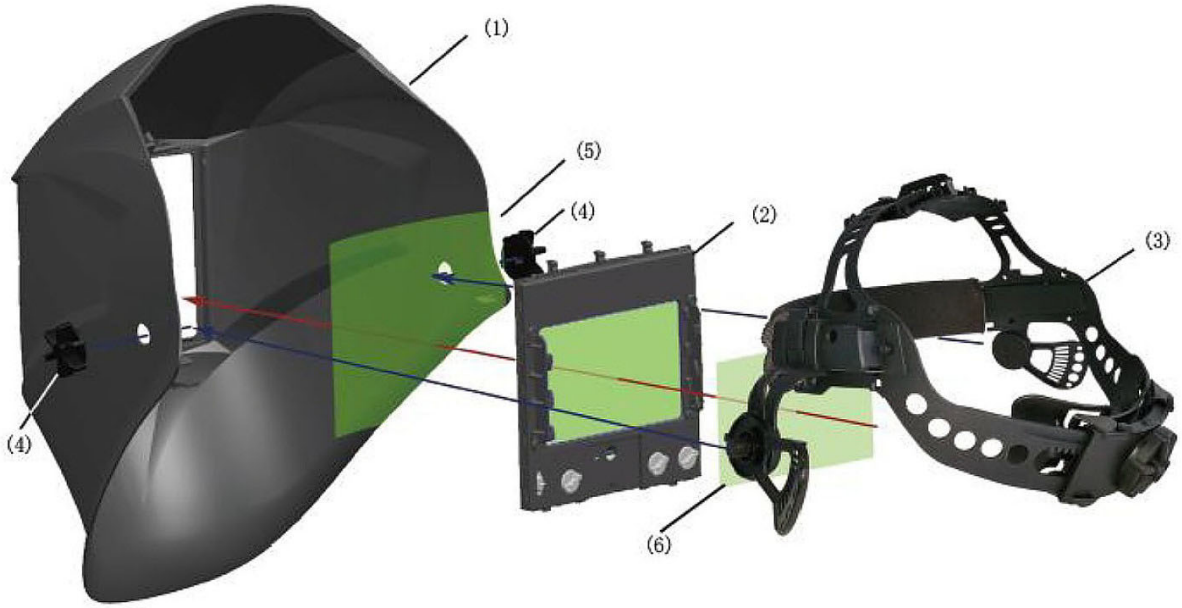

Fig. 11: Spare parts drawing 1

Spare parts drawing 2

Fig. 12: Spare parts drawing 2

16 EU Declaration of Conformity

Manufacturer / Placing on the market: Stürmer Maschinen GmbH
Dr.-Robert-Pfleger-Straße 26
D-96103 Hallstadt

hereby declares that the personal protective equipment (PPE) described below complies with the provisions of the PPE Regulation 2016/425/EU and the Product Safety Directive 2001/95/EU, and is identical to the PPE that is the subject of the tests performed by the accredited testing institutes.

Safety lenses, Outer lens, Inner lens	Automatic welding protection filter	Face shield, welding shield
Certification Body	Certification Body	Certification Body
ECS GmbH Hüttfeldstraße 50 73430 Aalen Identification no: 1883	ECS GmbH Hüttfeldstraße 50 73430 Aalen Identification no:1883	ECS GmbH Hüttfeldstraße 50 73430 Aalen Identification no: 1883
issued EU type examination certificate.		
C3028.1SWM	C3027.1SWM	C3026.1SWM

Product group: Schweißkraft® Welding Technology
Product type: Automatic Welding Helmet
Designation: VarioProtect XXL-W-2 TC
Item number: 1654025
Serial number *: _____
Year of manufacture *: 20____

* fill these fields using the information on the type plate

Relevant EU directives: 2014/30/EU EMC Directive
2011/65/EU RoHS Directive

The following harmonized standards were applied:

DIN EN 166: 2001	Personal eye-protection - Specifications
DIN EN 175: 1997	Personal protection - Equipment for eye and face protection during welding and allied processes
DIN EN 379:2003 + A1:2009	Personal eye protection - Automatic welding filters
DIN EN 61000-6-1:2007	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments
DIN EN 61000-6-3:2007 + A1:2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments

Responsible for documentation: Kilian Stürmer, Stürmer Maschinen GmbH,
Dr.-Robert-Pfleger-Str. 26, D-96103 Hallstadt

Hallstadt, 25.06.2020

_____
Kilian Stürmer
Managing Director

CE

17 Notes


stürmer
OPTIMUM