

CHEYENNE®

PROFESSIONAL TATTOO EQUIPMENT

HAWK spirit HAWK thunder

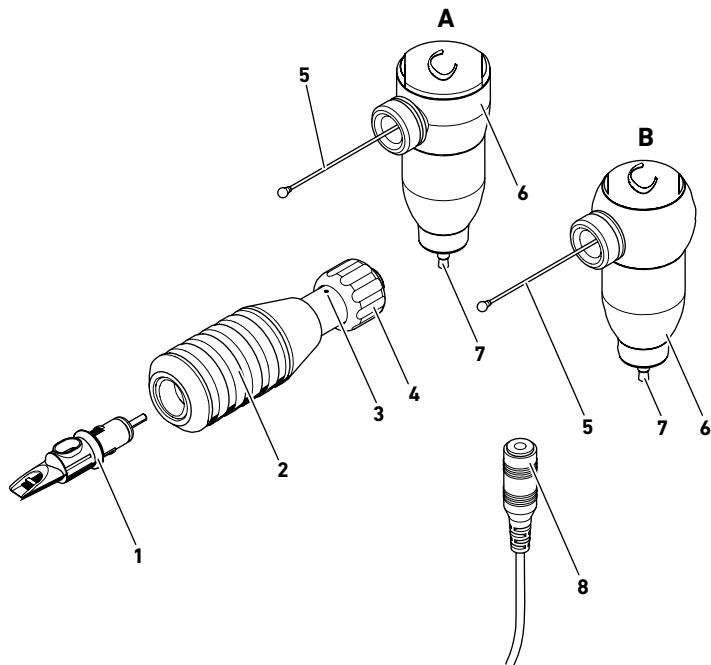
Gebrauchsanleitung
Operating instructions
Gebruiksaanwijzing
Instructions
Istruzioni per l'uso
Instrucciones de uso

Manual de instruções
Οδηγίες
Opskrift
Bruksanvisning
Ohjeet
Instrukcja obsługi

Instrukce
Navodila nt pl za uporabo
Utasítás
инструкции
说明

HAWK SPIRIT (A)

HAWK THUNDER (B)



Translation of the original operating instructions. The original operating instructions were written in German.

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1 About these operating instructions

These operating instructions apply to the Cheyenne HAWK SPIRIT and HAWK THUNDER tattooing machines and to their accessories. They contain important information about how to operate and maintain these products safely and in the intended manner.

These operating instructions do not contain all of the information needed for safe operation of the tattooing machines and their accessories. Note the following additional documents:

- Operating instructions for the Cheyenne Power Unit and/or an external power unit and, if applicable, a foot switch
- Information about safety cartridges and tattoo inks
- Safety data sheets about disinfectants and cleaning agents
- Health and safety information and statutory provisions relating to tattooing

1.1 Display of warning notices

Warning notices draw attention to the risk of personal injury and damage to materials and are structured as follows:

SIGNAL WORD

Type of hazard

Consequences

► Remedy

Element

Meaning



Indicates a risk of injury

Signal word

Specifies the severity of the hazard (see following table)

Type of hazard

Gives the type and source of the hazard

Consequences

Describes potential consequences of non-compliance

Remedy

Indicates how to avoid a hazard

Signal word

Meaning

Warning

Indicates a hazard that can lead to death or to serious injury if the hazard is not avoided

Caution

Indicates a hazard that can lead to minor to relatively serious injury if the hazard is not avoided

Signal word	Meaning
Attention	Indicates potential risks to the environment, property or the tattooing equipment if this hazard is not avoided.

1.2 Symbol used in these operating instructions

Symbol	Meaning
▶	Call for action
•	List point
-	List sub-point

2 Important safety notices



2.1 General safety information

- ▶ Read these operating instructions carefully and completely.
- ▶ Keep these operating instructions in a readily accessible location for everyone who uses, cleans, disinfects, sterilizes, stores or transports the HAWK SPIRIT and HAWK THUNDER.
- ▶ When transferring the HAWK SPIRIT or HAWK THUNDER to another person,

always include these operating instructions.

- ▶ Follow the safety regulations applicable to tattooing in your country. Keep your tattoo studio in a hygienic, clean condition and provide sufficient lighting.
- ▶ Use the HAWK SPIRIT or HAWK THUNDER, its accessories and the power unit as well as all connecting cables in perfect technical condition.
- ▶ Only use genuine safety cartridges, accessories and spare parts from Cheyenne.

2.2 Product-dependent safety information

- ▶ Never modify your HAWK SPIRIT or HAWK THUNDER; the safety cartridges or other accessories.
- ▶ Prevent fluids from entering the drive unit.
- ▶ During the tattooing process, protect the drive and its connecting cables with a protective sleeve (see chapter 5.3 on page 37). Also protect the power unit with a plastic sheet.
- ▶ If you are not using your HAWK SPIRIT or HAWK THUNDER, switch it off and place it in a location so that it cannot fall down.
- ▶ Observe the technical data (chapter 4.2 on page 35) and observe the operating conditions (chapter 4.1 on page 35)

and transport and storage conditions (chapter 8 on page 46).

- ▶ Hand over the HAWK SPIRIT or HAWK THUNDER to a specialist retailer for inspection if it exhibits any external signs of damage or if it does not function in the usual manner.

2.3 Important hygiene and safety regulations

To prevent infectious diseases resulting from tattooing being transmitted to the customer or to the tattoo artist:

- ▶ Before use, follow the steps required to disinfect the equipment (see chapter 5.1 on page 36).
- ▶ During the tattooing process, wear disposable nitrile or latex gloves and disinfect them before use.
- ▶ Before applying a tattoo, clean the affected areas of the customer's skin with a mild cleaning and disinfectant agent. When selecting an appropriate disinfectant, take note of the applicable regulations in your country.
- ▶ For every customer and each ink, always use new, sterile-packaged safety cartridges. Before each usage, ensure that the packaging is undamaged and that the use-by date has not passed.
- ▶ Dispose of used or defective safety cartridges in a sharps container (safety box)

in accordance with the regulations applicable in your country.

- ▶ Prevent safety cartridges coming into contact with contaminated objects, e.g. clothing. Dispose of contaminated safety cartridges immediately.
- ▶ Always use dermatologically safe inks designed specifically for tattooing.
- ▶ Avoid contact with freshly tattooed skin. Protect freshly tattooed areas of skin from dirt and from exposure to UV light and sunlight.
- ▶ Check on a regular basis if the HAWK SPIRIT or HAWK THUNDER has become visibly contaminated by the return flow of inks or bodily fluids. If this has happened, in addition to regular disinfection, you must perform all the steps described in chapter "Cleaning and maintaining the HAWK SPIRIT or HAWK THUNDER" (see chapter 7 on page 44).

2.4 Contra-indications

Tattooing is **not** permitted in case of the following:

- Haemophilia/blood vessel conditions
- Uncontrolled diabetes mellitus
- Treatment of areas of skin with dermatitis complaints (e.g. skin tumors, celoids or extreme celoid tendency, solar ceratosis, warts or moles)

- Feverish infections and infectious diseases such as hepatitis conditions of types A, B, C, D, E or F or HIV
- Immune system diseases
- Epilepsy
- Acute cardio-vascular problems
- Under the influence of alcohol or drugs

In the following cases, tattooing **cannot be performed until such time as normal health** is restored:

- Acute dosages of anticoagulants (e.g. Warfarin, Heparin, Phenprocoumon or Salicylic acid)
- Acute chemotherapy, radiotherapy or high-dosage corticosteroid therapy
- Systemic infections or acute local skin infections (e.g. with the herpes virus)
- Allergy to topical anesthetics (local anesthesia)
- Pregnancy and breast-feeding

Temporary locally restricted contraindications exist in the following cases:

- Eczema, exanthema or open wounds
- Acute conjunctivitis
- Scars less than six months old
- Areas of skin after plastic surgery treatment less than twelve months previously
- Areas of skin after filler injections less than six months previously

If there is the slightest doubt about customer safety, do not commence treatment

or terminate treatment immediately and seek medical attention.

The treatment must be terminated immediately in the event of:

- Excessive sensations of pain
- Excessive release of fluids from the wound
- Fainting / dizziness

2.5 Side-effects

In a few cases, the tattooing process may result in minor side effects.

► Inform the customer about all risks and about the side-effects described below.

Frequent:

- Pain on the day after tattooing
- Inflammation reactions, haematomas, erythema and oedema in the first three to five days after tattooing
- Skin irritations (e.g. itching or heating), which normally wear off during the first 12 to 48 hours after tattooing

Rare:

- Hyper-pigmentation with body's own pigments, in particular on dark skin types, but that disappear completely a few weeks later
- Formation of scabs, small pimples or skin eruptions if skin is not cleaned carefully after tattooing

- Retinoid reaction (slight irritation up to peeling of skin)
- Possible heating of the tattooed area when exposed to PET and MRT radiation
- Contact allergy to ink pigments or allergic reactions to other components of the aseptic ink

Furthermore, the following problems can occur in response to tattooing:

- Ink shade differences
- Pigment loss

2.6 Required qualification

The HAWK SPIRIT and HAWK THUNDER may only be used by people who have acquired the following knowledge:

- Basic knowledge of the tattooing process, in particular correct insertion depth and frequency
- Knowledge of the hygiene and safety regulations (see chapter 2.3 on page 31)
- Knowledge of the impact of tattoo ink below the skin
- Knowledge of the risks and side-effects (see chapters "2.4 Contra-indications" on page 31 and "2.5 Side-effects" on page 32).

2.7 Intended use













The HAWK SPIRIT and HAWK THUNDER are professional tattooing machines for the application of tattoos to the human skin in dry, clean and smoke-free environments, and under hygienic conditions. They must be prepared, used and maintained in the manner described in these operating instructions. In particular, the applicable provisions for workplace layout must be observed, and all safety cartridges used must be sterile.

Intended use also includes thoroughly reading and understanding these operating instructions, in particular the chapter "2 Important safety notices".

Unintended use is defined as using the HAWK SPIRIT, HAWK THUNDER or their accessories in a way not described in these operating instructions, or failing to comply with its operating conditions. In particular the tattooing of mucous membranes, or the eyes, and the tattooing of minors is prohibited.

2.8 Symbols on the packaging

The following symbols are found on the HAWK SPIRIT, HAWK THUNDER and accessory packages:

Symbol	Meaning
	Satisfies the requirements of directives 2006/42/EC (machinery directive) and 2004/108/EC (EMC directive)
	Observe instructions for use!
	Manufacturer
	Date of manufacture
	Catalogue number
	Serial number
	Batch code
	Sterilized with ethylene oxide
	Use-by date
	Attention!
	Temperature limit
	Humidity limit



Store in a dry place



Fragile



Cannot be use if packaging is damaged



Do not reuse!



Dispose of properly as used electronic equipment!

3 Scope of delivery

See insert.

4 HAWK SPIRIT and HAWK THUNDER product information

The HAWK SPIRIT and HAWK THUNDER are high-performance tools. They have a significantly higher piercing force and piercing frequency than conventional tools. Despite this added performance, they are considerably quieter with less vibration.

The HAWK SPIRIT is an all-around tattooing machine with a shorter needle stroke. It is especially well-suited for filling and shading. The HAWK THUNDER has a longer needle stroke is especially well-suited for lines and contours.

4.1 Technical data

	SPIRIT	THUNDER
Nominal voltage	6 to 12.5 V DC	
Power intake	2.5 W (max. 5 W)	
Starting current for max. 30 ms	1.9 A	2.5 A
Piercing frequency	60 to 160 Hz	
Stroke	2.5 mm	4 mm
Needle protrusion	0 to 4 mm	
Electrical connection	3.5 mm jack	
Drive	Precision motor – DC	

Operating mode	Continuous operation
Dimensions including handle	Approx. 110 x 57 x 28 mm
Weight including handle	Approx. 130 g

4.2 Operating conditions

Ambient temperature	+10 to +35°C +50 to +95 °F
Relative humidity	30 to 75%
Air pressure	700 to 1070 hPa

4.3 Accessories

The following accessories can be purchased from your local specialist retailer:

- Cheyenne handles
- Cheyenne safety cartridges
- Cheyenne Power Units
- Cheyenne foot switch
- Cable adapters
- Protective sleeves for the handle
- Protective sleeves for the drive and connection cable

5 Preparing the HAWK SPIRIT or HAWK THUNDER for use

ATTENTION

Damage from condensate

If the HAWK SPIRIT or HAWK THUNDER is exposed to significant variation in temperature, e.g. during transport, condensate can form inside which can damage the electronics.

- ▶ Ensure that the HAWK SPIRIT or HAWK THUNDER has reached ambient temperature before using it. If it was exposed to high temperature fluctuations, wait for at least 3 hours for every 10°C of temperature difference before putting it into operation.
- ▶ Only use the HAWK SPIRIT or HAWK THUNDER at ambient temperatures of +10 to +35°C.

5.1 Disinfecting equipment

ATTENTION

Damage to drive caused by fluid

If disinfectant gets inside the drive, this can corrode the electrical and mechanical components.

- ▶ Never immerse the drive in disinfectant.

ATTENTION

Product damage caused by non-approved disinfectants

Disinfectants that are not compatible with the materials of the product can damage its surface.

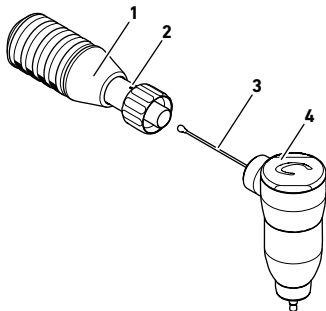
- ▶ Always use disinfectants that are approved, i.e. that comply with stipulations in your country.
- ▶ Note the list of recommended disinfectants in chapter "7.1 Material compatibilities" on page 45.
- ▶ Switch off the voltage supply to your HAWK SPIRIT or HAWK THUNDER.
- ▶ Check on a regular basis if the HAWK SPIRIT or HAWK THUNDER has become heavily contaminated by the return flow of inks or bodily fluids. In such cases, perform the steps described in chapter "7 Cleaning and maintaining the HAWK SPIRIT or HAWK THUNDER" on page 44.
- ▶ Wipe down the connecting cables, the drive and the handle with a soft cloth moistened with disinfectant.

5.2 Assembling and disassembling the handle and drive

Handles are available in different diameters. The assembly procedure is the same for each.

For assembly:

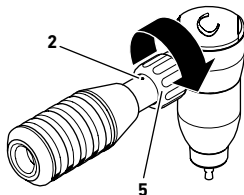
- Fit the piston (3) in the handle (1).



- Adjust the angle between the drive (4) and index (2) so that your HAWK SPIRIT or HAWK THUNDER is comfortable in your hand.

The index marks the position of the upper and lower part of the safety cartridge.

- Tighten the fixing nut (5) to the mechanical stop without changing the adjusted angle.



- Ensure that the index (2) does not turn while you turn the handle. Tighten the fixing nut as necessary.

For disassembly:

- Unscrew the fixing nut.
- Remove the handle from the drive. The piston comes out of the handle.

5.3 Fitting the protective sleeve

⚠ CAUTION

Infection from contaminated protective sleeve

Failure to replace the protective sleeve for the handle can lead to a transmission of illnesses.

- Use a new protective sleeve for the handle for each customer.

ATTENTION

Damage to drive caused by fluid

If fluid gets inside the drive or on the connection, this can corrode the electrical and mechanical components.

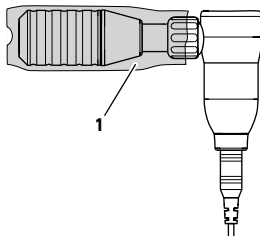
- Always use one protective sleeve (1) for the handle and a second protective sleeve (2) for the drive and connection cable as described below.



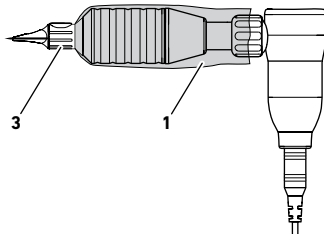
In order to fit the protective sleeve (1) on the handle:

- If already inserted: Remove the safety cartridge from the handle (see chapter "5.5 Safety cartridge replacement" on page 41).

- Slide the protective sleeve (1) completely over the connecting cable.



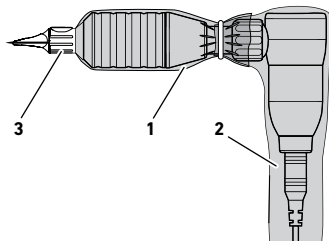
- Insert the safety cartridge (3) through the hole of the protective sleeve (1) into the handle (see chapter "5.5 Safety cartridge replacement" on page 41).



The safety cartridge fixes the protective sleeve (1) and simultaneously seals the opening.

In order to fit the protective sleeve (2) on the connection cable and drive:

- ▶ If already inserted: Remove the connection cable from the HAWK SPIRIT or the HAWK THUNDER.
- ▶ Cut off a section of protective sleeve of an appropriate length.
- ▶ Slide this section of protective sleeve completely over the connecting cable.
- ▶ Connect the connection cable (see the next chapter).
- ▶ Pull the end of the protective sleeve (2) completely over the HAWK SPIRIT or HAWK THUNDER.



- ▶ Ensure that the two protective sleeves overlap. For instance, fix them with a rubber band or adhesive film.

5.4 Connecting the power unit

⚠ CAUTION

Risk of short circuits and risk of mild electric shocks

If cable or cable connection is visibly damaged, there is a risk of electric shock and damage to the electronics.

- ▶ Perform a visual inspection of the HAWK SPIRIT or HAWK THUNDER and the cable for signs of damage, e.g. a defective cable connection.
- ▶ Never bend the connecting cable while in operation.
- ▶ Observe the operating instructions for the particular power unit.

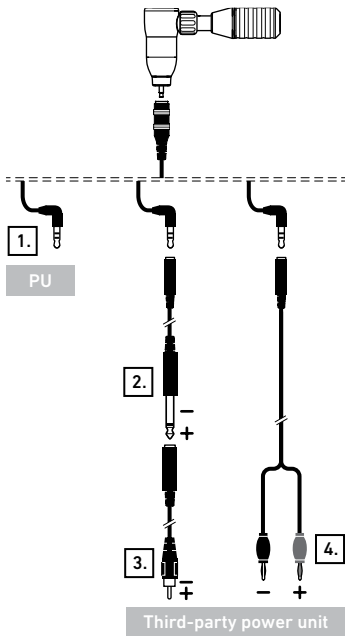
⚠ CAUTION

Cables constitute a trip hazard

People can stumble over inappropriately routed cables and get injured.

- ▶ Route all cables so that no-one can stumble over them or pull them accidentally.

There are four ways to supply power to the HAWK SPIRIT or HAWK THUNDER:



1. Connecting it to a Cheyenne Power Unit with the connecting cable provided in the scope of delivery (recommended)
2. Connection to a third-party power unit with the 6.3 mm jack and the cable adapter supplied
3. Connection to a third-party power unit with the cinch socket and an additional cable adapter
4. Connection to a third-party power unit using the optional Y-cable adapter with banana plug – The red banana plug must be connected to the positive terminal while the black banana plug must be connected to the negative terminal of the third-party power unit.

The third-party power unit must deliver approx. 6 to 13 V DC. If more than about 13 V is connected to the HAWK SPIRIT or HAWK THUNDER, it will shut down automatically.

- Connect the cinch socket of the connecting cable (supplied) to the DC power connection of the HAWK SPIRIT or HAWK THUNDER.
- Plug the cinch plug of the connecting cable completely into the socket on the tattoo machine power unit.

If you are using an third party power unit, connect up its terminals correctly, as described in the operating instructions of the third party power unit.

- ▶ Cover the power unit or the third party power unit with a plastic sheet.

5.5 Safety cartridge replacement

WARNING

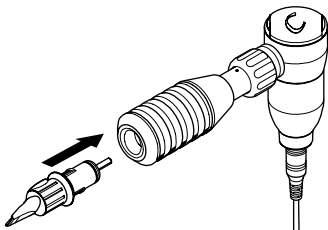
Risk of injury from needles

Injuries caused by contaminated needles of the safety cartridges can lead to the transmission of diseases.

- ▶ Only use original Cheyenne safety cartridges. The installed safety membrane on these safety cartridges prevents the ingress of ink into the drive, and also prevents pathogens from entering the appliance through the safety cartridge.
- ▶ Never hold the safety cartridge by its tip or the bayonet connector.
- ▶ Switch off the HAWK SPIRIT or HAWK THUNDER before replacing the safety cartridge.
- ▶ When removing a used safety cartridge, ensure that no ink remnants can run into the handle.
- ▶ Never push the needles out of the safety cartridge by hand.
- ▶ Check during the removal of a used safety cartridge that the needles are completely retracted into the safety cartridge.

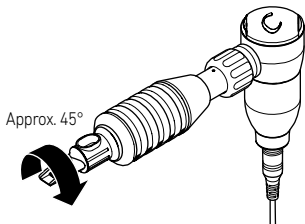
- ▶ Dispose of used safety cartridges that are no longer required for the current application (see chapter "9 Disposal of equipment" on page 47).
- ▶ The safety cartridges are supplied in sterile packaging. Do not remove them from their packaging until immediately before you intend to use them.
- ▶ Always put down the HAWK SPIRIT or HAWK THUNDER so that the safety cartridge is not supporting it.
- ▶ Seek medical attention if injured by a contaminated needle.

- ▶ Switch off the voltage supply to your HAWK SPIRIT or HAWK THUNDER.
- ▶ Insert the safety cartridge in the opening in the handle, as illustrated below.



The safety cartridge only fits in the opening in two directions.

- ▶ Rotate the safety cartridge clockwise approx. 45°. The index (1) marks the position of the upper (2) or lower part of the safety cartridge.



- ▶ Check that the safety cartridge is firmly seated.
- ▶ To remove the safety cartridge, turn it counterclockwise and remove it from the handle.

5.6 Checking equipment

- ▶ Conduct a visual inspection of the equipment:
 - Are there any visible signs of external damage (e.g. bends in the connecting cable or bent piston)?
 - Are there any exposed cables?
 - Are the safety cartridge and the needles correctly aligned?
- ▶ Switch on the HAWK SPIRIT or HAWK THUNDER and perform an audio test: Can you hear any unusual operating noises, or is the unit running loudly?
- ▶ If you detect anything unusual, refer to chapters "10 For questions or problems" and "11.1 Warranty declaration" on page 48.
- ▶ If the HAWK SPIRIT or HAWK THUNDER is no longer operating safely, take it out of service and consult your local specialist retailer.

6 Using the HAWK SPIRIT or HAWK THUNDER

6.1 Setting the needle protrusion

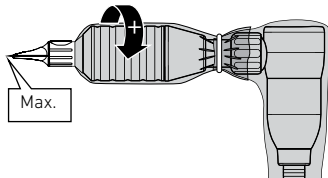
CAUTION

Risk of injury from excessive protrusion of needle

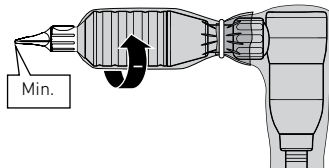
A large needle protrusion permits a deep piercing depth. If needle protrusion and piercing depth are excessive, this can damage the subcutaneous layer.

- ▶ Start with just a short length of needle protruding.

- ▶ Switch on the power.
- ▶ Adjust the needle protrusion while the HAWK SPIRIT or HAWK THUNDER is switched on; to do this, turn the handle. Turning clockwise increases the protrusion of the needle:



Turning counterclockwise reduces the protrusion of the needle:



The needle protrusion changes by approx. 0.1 mm per detent.

- ▶ Ensure that the index does not turn while you turn the handle.

6.2 Setting the piercing frequency

CAUTION

Risk of injury due to high piercing frequency

If the piercing frequency is too high, the skin can be cut.

- ▶ Always start at a low piercing frequency, e.g. 70.

- ▶ Switch on the power supply of the Cheyenne power unit and/or third-party power unit.
- ▶ Set an appropriate piercing frequency. The piercing frequency must suit the characteristics of the customer's skin, the needle protrusion and piercing depth when working, as well as the operating speed.

With a Cheyenne Power Unit the piercing frequency can be adjusted in 10 increments using the arrow keys.

With a third-party power unit, the piercing frequency can be adjusted via the output voltage: The permitted voltage range of approx. 6 to 12.5 V equates roughly to a piercing frequency range of 60 to 170 needle insertions per second. 10 V equates to about 130 needle insertions per second at idle speed. If the output voltage exceeds about 13 V, the HAWK SPIRIT or HAWK THUNDER switches off automatically.

6.3 Loading with ink

- ▶ Immediately before use, dip the tip of the safety cartridge in the desired color of ink for 2 to 3 seconds with the unit running. Avoid contact with the ink container. The ink is picked up by the needles.
- ▶ Alternatively, the ink can be filled into the opening on the safety cartridge using a sterile pipette. Never fill in too much

ink so that it is not ejected through the opening.

7 Cleaning and maintaining the HAWK SPIRIT or HAWK THUNDER

CAUTION

Risk of short circuits and risk of mild electric shocks

If components of the HAWK SPIRIT or HAWK THUNDER are dismantled and cleaned while still powered, there is a risk of mild electric shock and damage to the electronics in the drive unit.

- ▶ Switch off the voltage supply to your HAWK SPIRIT or HAWK THUNDER before you begin with cleaning and maintenance work.

ATTENTION

Damage to drive caused by fluid

If cleaning fluid or disinfectant gets inside the drive, this can corrode the electrical and mechanical components.

- ▶ Never immerse the drive in cleaning fluid or disinfectant.
- ▶ Never use an autoclave or an ultrasonic bath to clean the drive and the connecting cable.

- Pay attention to compatibility of materials when selecting cleaning agents and disinfectants (see the following chapter "7.1 Material compatibilities").

7.1 Material compatibilities

- Wherever possible, use one of the following disinfectants

Manufacturer	Product	Exposure time
Antiseptica	Big Spray 'new'	1 to 5 mins
Bode Chemie	Bacillol	30 s to 1 min
Ecolab	Incidin Foam	1 to 2 mins
Schülke & Mayr	Mikrozid Liquid	1 to 2 mins

Based on the following material compatibilities, you can assess which other cleaning agents and disinfectants are suitable

- However, check the material compatibility in an inconspicuous location.

The anodized aluminum components of the HAWK SPIRIT and HAWK THUNDER are **resistant** to:

- Weak acids (e.g. acetic acid $\leq 10\%$, citric acid $\leq 10\%$)
- Aliphatic fluorocarbons (e.g. pentane, hexane)

- Ethanol
- Most inorganic salts and their aqueous solutions (e.g. sodium chloride, calcium chloride, magnesium sulphate)

The anodized aluminum components of the HAWK SPIRIT and HAWK THUNDER are **not resistant** to:

- Strong acids (e.g. hydrochloric acid, sulphuric acid, nitric acid)
- Oxidizing acids (e.g. peracetic acid)
- Lyes (e.g. caustic soda, ammonia and all substances with a pH value > 7)
- Aromatic/halogenized fluorocarbons (e.g. phenol, chloroform) as well as
- acetone and benzene

7.2 Disinfecting surfaces

Before and after each usage:

- Disinfect all surfaces of the HAWK SPIRIT or HAWK THUNDER and its accessories as described in chapter "5.1 Disinfecting equipment" on page 36.

7.3 Cleaning surfaces

In the event of external contamination:

- ▶ Disassemble the handle and drive.
- ▶ Wipe the handle and drive – especially the piston – and the long protective sleeve with a soft cloth moistened with a cleaning agent or a disinfectant.
- ▶ Clean inaccessible surfaces, e.g. the thread of the handle and drive unit, with a soft-bristled nylon brush or cotton swab.

7.4 Cleaning handle in an ultrasonic bath

If the handle is severely soiled:

- ▶ Use cleaning agent Tickomed 1 or Tickopur R33 from manufacturer Dr. H. Stamm GmbH in accordance with the manufacturer's instructions in a concentration of 3% in cold water.
- ▶ Conduct the cleaning operation for 10 minutes at a frequency of 35 kHz.
- ▶ Dry the handle fully after cleaning, before you use it again.

7.5 Sterilizing handle in an autoclave

Whenever handle is contaminated:

- ▶ Perform all steps described in chapter "5.1 Disinfecting equipment" on page 36.

- ▶ Autoclave the handle for 20 minutes at a temperature of 121°C and a pressure of 2 bar.
- ▶ Dry the handle fully after cleaning, before you use it again.

8 Transport and storage conditions

ATTENTION

Damage to product caused by dropping it



If your HAWK SPIRIT or your HAWK THUNDER is dropped, the motor or cable connection can be damaged and the piston can be bent.

- ▶ Always put down the HAWK SPIRIT or HAWK THUNDER so that it cannot fall down.
- ▶ Should the HAWK SPIRIT or HAWK THUNDER fall down, perform a visual inspection and audio test.
- ▶ Hand over the HAWK SPIRIT or HAWK THUNDER to a specialist retailer for inspection if it has visible signs of damage, if the operating noise level changes or if it stops functioning normally.

- ▶ Always transport the HAWK SPIRIT or HAWK THUNDER and its accessories in their original packaging. Use either the supplied foam block to protect the piston or leave the handle assembled during transport.
- ▶ Always transport the HAWK SPIRIT or HAWK THUNDER and its accessories in the following conditions:

Ambient temperature	-40 to +50 °C -40 to +122 °F
Relative humidity	30 to 75%
Air pressure	700 to 1070 hPa

9 Disposal of equipment

- ▶ Dispose of the HAWK SPIRIT or HAWK THUNDER and accessories  bearing the following designation  in accordance with the applicable regulations for used electronic equipment. If necessary, consult the specialist retailer or the responsible authorities to learn about applicable regulations.
- ▶ Provide containers at the workplace for legislation-compliant disposal of contaminated components.
- ▶ Dispose of used or defective safety cartridges in a sharps container (safety box) in accordance with the regulations applicable in your country or municipality.

10 For questions or problems

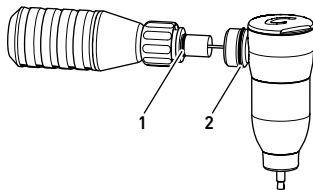
If there is radio interference:

- ▶ First of all, disconnect all components, e.g. the handle and connecting cable, from the drive unit.
- ▶ Check all connections and reassemble the components.
- ▶ Test the functions of the HAWK SPIRIT or HAWK THUNDER.

If the safety cartridge turns when turning the handle:

- ▶ Ensure that the fixing nut is tightened to the stop.
- ▶ Ensure that the small (1) and large (2) O-ring:

 - are undamaged
 - are free from grease
 - are seated in their appropriated groove as shown below



- If the O-rings are damaged, have them replaced by a specialist retailer.

If functional problems persist, and if you have any questions or complaints, please contact the specialist retailer responsible.

To obtain information about our current offers, the selection of safety cartridges and accessories, please visit our website www.cheyenne-tattoo.com.

safety cartridges, please advise us of the batch number printed on the label.

We do not provide warranty cover in respect of the following types of damage:

- Damage and secondary damage arising from unintended use or failure to comply with the operating instructions, such as damage due to dropping.
- Damage arising from the ingress of fluids or dirt into the drive

11 Manufacturer declarations

11.1 Warranty declaration

With the Cheyenne HAWK SPIRIT or HAWK THUNDER you have purchased a high-quality branded product. The reliability of this device is assured through application of the latest inspection technologies and certification. MT.DERM GmbH is certified in acc. with:

- DIN EN ISO 9001:2008 (quality management system for quality assurance)
- DIN EN ISO 13485:2012 (quality management system for medical products)

For this product, the statutory warranty period applies to radio interference problems resulting from defects in material and workmanship.

We guarantee sterility for the safety cartridges with delivery of sealed and undamaged packaging. For complaints relating to

11.2 Declaration of Conformity

The manufacturer: MT.DERM GmbH
Gustav-Krone-Str. 3
D-14167 Berlin

hereby declares on their own responsibility that the following product:

Names of products:	HAWK SPIRIT	HAWK THUNDER
Article numbers:	CB-2.25 CBR-2.25	CB-2.31 CBR-2.31
	CB-2.25-B CBR-2.25-B	CB-2.31-O CBR-2.31-O
	CB-2.25-O CBR-2.25-O	CB-2.31-P CBR-2.31-P
	CB-2.25-P CBR-2.25-P	CB-2.31-R CBR-2.31-R
	CB-2.25-R CBR-2.25-R	CB-2.31-S CBR-2.31-S
	CB-2.25-S CBR-2.25-S	

complies with the stipulations of the following directives:

EMC directive: 2014/30/EU
Machinery Directive: 2006/42/EC
RoHS directive: 2011/65/EU

The following harmonized standards were applied:

DIN EN 60950-1:2014-08: IT equipment – Safety – Part 1:
General requirements

DIN EN 55022:2011-12: IT equipment – Radio disturbance characteristics –
Limits and methods of measurement

DIN EN 61000-6-1:2007-10: Electromagnetic compatibility (EMC) Part 6-1:
Generic standards – Immunity for residential, commercial and light-
industrial environments

DIN EN 61000-6-3:2011-09: Electromagnetic compatibility (EMC) Part 6-3: Generic standards –
Immunity for residential, commercial and light-industrial environments

DIN EN 1037:2008-11: Safety of machinery – Prevention of unexpected start-up

DIN EN ISO 12100:2011-03: Safety of machinery – General principles for design – Risk assessment and
risk reduction

DIN EN 82079-1:2013-06: Preparation of instructions for use – Structuring, content and presentation –
Part 1: General principles and detailed requirements

This declaration is issued on behalf of the manufacturer by:
Berlin, 10 February 2016, Marcel Tritsch, MT.DERM GmbH authorized representative for CE and documentation

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