

CHEYENNE®

PU 2

Gebrauchsanweisung

Instruction for use

Gebruiksaanwijzing

Manuel d'utilisation

Istruzioni per l'uso

Instrucciones de uso

Manual de instruções

Οδηγίες

Opskrift

Bruksanvisning

Ohjeet

Instrukcja obsługi

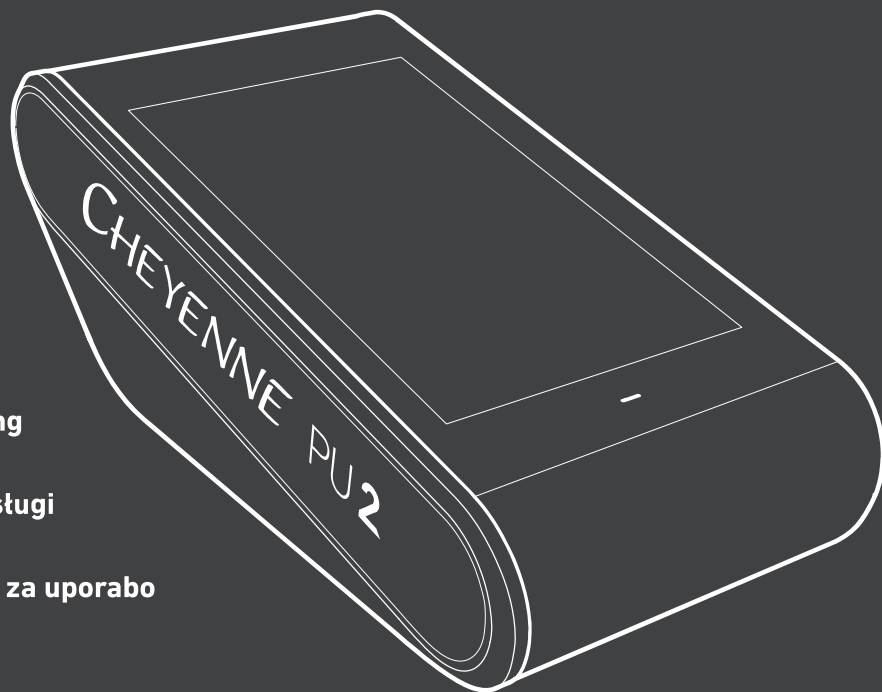
Instrukce

Navodila nt pl za uporabo

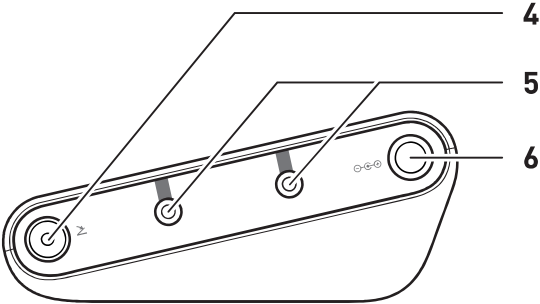
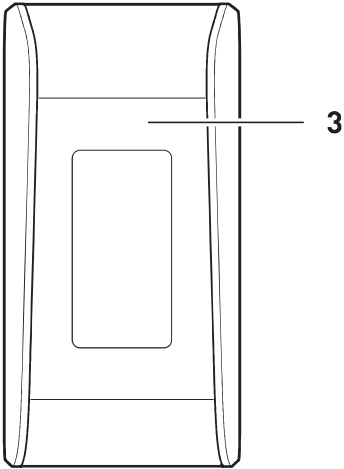
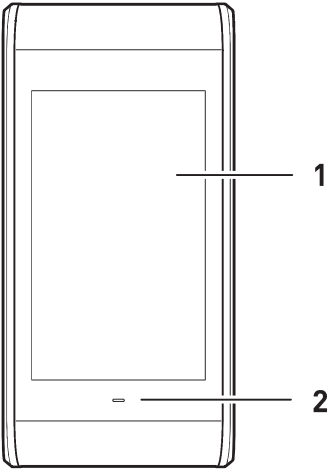
Utasítás




Инструкция

使用说明书

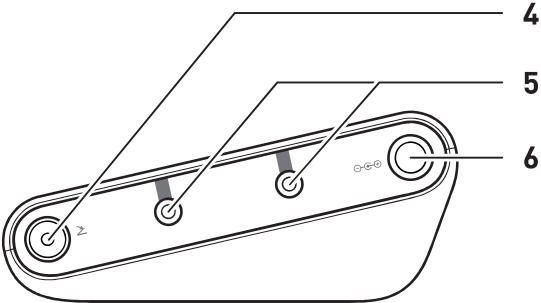
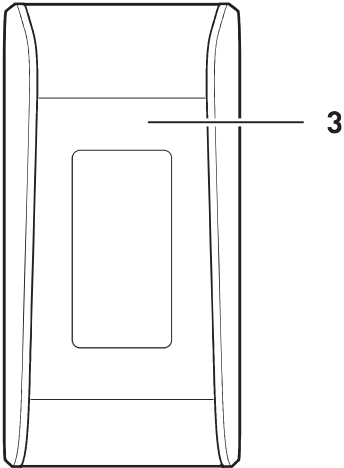
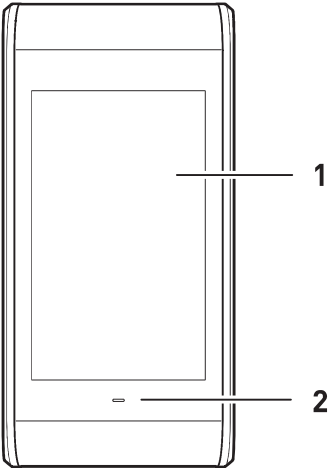





Power Unit 2



	1	2	3	4	5	6
						
DE	Display	Standby LED	Magnetfläche zum Anheften des Geräts	Buchse für Fußschalter	Buchsen für Tattoomaschinen	Buchse für Netzteil
EN	Display	Standby LED	Magnetic surface for adhesion of the device	Jack for foot switch	Jack for tattooing machines	Jack for power supply
NL	Display	LED Stand-by	Magneetvlak voor het bevestigen van het apparaat	Bus voor voetschakelaar	Bussen voor tattoo-apparaatuur	Bus voor netadapter
FR	Écran	LED de veille	Zone aimantée pour l'accrochage de l'appareil	Prise pour pédale de commande	Prises pour machines à tatouer	Prise pour bloc d'alimentation
IT	Display	LED di standby	Superficie magnetica per il fissaggio del dispositivo	Presa per comando a pedale	Prese per macchina per tatuaggi	Presa per alimentatore
ES	Pantalla	LED en espera	Superficie magnética para la adhesión del dispositivo	Toma para interruptor de pedal	Tomas para máquinas de tatuaje	Toma para fuente de alimentación
PT	Visor	LED de standby	Superfície magnética para fixar o dispositivo	Tomada para interruptor de pedal	Tomada para máquina de tatuagem	Tomada para fonte de alimentação
EL	Οθόνη	LED αναμονής	Μαγνητική επιφάνεια για τοποθέτηση της συσκευής	Υποδοχή για ποδοδιακόπτη	Υποδοχές για μηχανήματα τατουάζ	Υποδοχή για τροφοδοτικό
DA	Display	Standby-LED	Magnetfladen til fasthæftning af apparatet	Hunстик til fodkontakt	Hunстик til tatoveringsmaskiner	Hunстик til strømforsyning

Power Unit 2



	1	2	3	4	5	6
						
SV	Display	Standby-LED	Magnetisk yta för att fästa enheten	Port till fotbrytare	Kontakter till tatueringsmaskin	Kontakt till nätdel
FI	Näyttö	Standby-merkkivalo	Magneettipinta laitteen kiinnittämiseen	Poljinkytkimen liitäntä	Tatuoointikoneiden liitännät	Verkko-osan liitäntä
PL	Wyświetlacz	Dioda LED Standby	Powierzchnia magnetyczne do mocowania urządzenia	Gniazdo włącznika nożnego	Gniazda dla przyrządów do tatuowania	Gniazdo zasilacza
CS	Displej	LED Standby	Magnetická plocha k připnutí přístroje	Zdířka pro nožní pedál	Zdířky pro tetovací strojky	Zdířka pro napájecí díl
SL	Zaslon	LED za pripravljenost	Magnetna površina za pritrditev naprave	Vtičnica za nožno stikalo	Vtičnice za tetovirne stroje	Vtičnica za omrežni napajalnik
HU	Kijelző	Készenléti LED	Mágneses felület a készülék rögzítéséhez	Lábkapcsoló csatlakozóaljzata	Csatlakozóaljzatok tetoválógépekhez	Tápegység csatlakozóaljzata
RU	Дисплей	Индикатор режима ожидания	Магнитная поверхность для закрепления устройства	Гнездо для педального выключателя	Гнезда для машин для нанесения татуировок	Гнездо для блока питания
ZH	显示屏	待机 LED 灯	用于固定设备的磁面	脚踏开关插孔	纹身机插孔	电源插孔

Translation of the original instructions for use. The original instructions for use were written in German.

CHEYENNE®
PU 2

Instruction for use

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1 About this Operating Manual



These operating instructions apply to the Cheyenne Power Unit 2 and to its accessories. They contain important information about how to operate and maintain the device safely and in the intended manner.

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

- Tattooing machine operating instructions
- 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 Depiction of warnings

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 table below)
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
Hazard	Indicates a hazard that will definitely lead to death or to serious injury if the hazard is not avoided

Signal word	Meaning
Warning	Indicates a hazard that may 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
Attention	Indicates potential risks to the environment, property or equipment if this hazard is not avoided

Symbols used in this operating manual

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

2 Important safety information



2.1 General Safety Information

- ▶ Carefully read this entire operating manual.
- ▶ Keep this operating manual in a readily accessible location for everyone who uses, cleans, disinfects, stores or transports the device.
- ▶ Always include this operating manual when passing the device on to other persons.
- ▶ Use the device, its accessories and all handpiece cables only in perfect technical condition.
- ▶ Only use tattoo cartridges, accessories and spare parts from Cheyenne and do not use plug-in power supply units from third-party manufacturers.

2.2 Product-dependent safety information

- ▶ Never modify the device, the power supply or other accessories.
- ▶ The appliance is only to be used with the power supply unit provided with the appliance.
- ▶ Prevent fluids from entering the device and the power supply plug.
- ▶ Protect the device with a protective sleeve during the tattooing.
- ▶ Disconnect the power supply when the device is not in use.
- ▶ Route all cables so that they cannot kink.
- ▶ Observe the technical data (chapter 4.2 on page 25) specified in these operating instructions, adhere to the operating conditions (chapter 4.3 on page 25) as well as the transport and storage conditions (chapter 8 on page 30).
- ▶ Hand over the device 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

- ▶ Before use, follow the steps required to disinfect the equipment (see the chapter 6.1 on page 27).
- ▶ Check regularly to determine whether there is visible soiling of the device. If this has happened, in addition to regular disinfection, you must perform all the steps described in the chapter 7.3 on page 30.

2.4 Required qualification

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

The device must 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 22)

2.5 Intended use


The device 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.














Intended use also includes thoroughly reading and understanding these operating instructions, in particular the chapter 2 on page 22.

Unintended use is defined as using the device or its accessories in a way not described in these operating instructions, or failing to comply with its operating conditions.

2.6 Symbols on the product

The symbols described below can be found in this operating manual, on the device, its accessories or packaging:

Symbol	Meaning
	Satisfies the requirements of directives 2014/35/EC (Low-Voltage Directive) and 2014/30/EU (EMC Directive)
	UKCA mark for the United Kingdom
	Attention!
IP20	Housing provides protection against coarse dust
	Tattooing machine
	Foot switch
	DC connection / positive inner pin
	Refer to operating manual!

	Protection with double or reinforced insulation according to Protection Class II
	Manufacturer
	Date of manufacture
	Catalog number, order number
	Serial number
	Lot code
	Sterilized with ethylene oxide
	Use-by date
	Temperature limit
	Humidity limit
	Protect from wetness
	Only use indoors
	Fragile



Cannot be used if packaging is damaged



Not suitable for re-use



Dispose of properly as used electronic equipment

3 Scope of delivery

- 1 control unit
- 1 power supply plug
- 1 country-specific adapter (AU)
- 1 country-specific adapter (EU)
- 1 country-specific adapter (UK)
- 1 country-specific adapter (US)
- 1 instruction for use

4 Product information

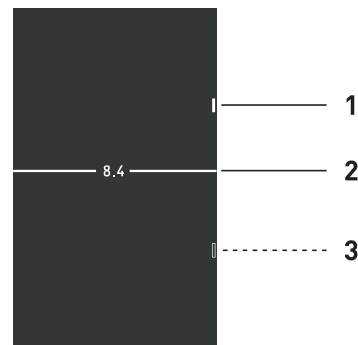
The Cheyenne Power Units supply power to tattooing machines and allow you to easily control of the piercing frequency while tattooing.

With the PU 2, you use the touch display to control the piercing frequency of the tattooing machine. The display shows the output voltage in Volt.

4.1 Overview of functions

Jack	For connection of ...
	Tattooing machine
	Power supply
	Optional foot switch

Touch display



Touch display/controls	Function
1	Output enabled
2	Bar with voltage display
3	Output disabled

4.2 Technical specifications

Power Unit

Output voltage	4.7 to 12.5 V DC
Operating mode	Continuous operation
Dimensions (W x H x D)	53 mm x 109 mm x 48 mm
Weight	Approx. 150 g
Input voltage	15 V DC
Power intake	max. 10 W
Protection class	II
IP protection class	IP20

Power supply E1165

Voltage supply	100 to 240 V AC 50 to 60 Hz
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4.3 Operating conditions

Ambient temperature	+10 °C to +40 °C +50 °F to +104 °F
Relative humidity	30% to 75%
Air pressure	500 hPa to 1060 hPa

4.4 Tattooing machine pin assignment

The tattooing machine is connected via a stereo jack plug (3-pin, 3.5 mm).



4.5 Accessories

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

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

5 Ready the device for operation

NOTICE

Damage from condensate

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

- Ensure that the device 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 device at ambient temperatures of +10 °C to +40 °C (+50 °F to +104 °F).

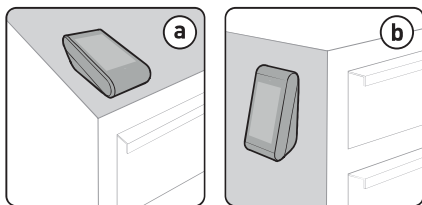
! CAUTION

Cables constitute a trip hazard

People may stumble over inappropriately routed cables and get injured.

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

5.1 Setting up or adhering the device



The magnetic surface on the bottom of the device can be used to adhere it to metallic surface (b), e.g. to the leg of a table or cart.

NOTICE

Damage to cables and jacks

If cables are already connected to the device, they can be kinked or damaged during assembly.


- ▶ Never kink the cable when adhering the device.
- ▶ Ensure that all jacks are freely accessible.

- ▶ Ensure that the device is disconnected from the voltage supply.
- ▶ Adhere the device to a suitable metallic surface using the magnetic surface.


5.2 Connecting the power supply

To establish the power supply:

- ▶ Insert the supplied, country-specific adapter in the recess in the power supply plug.
- ▶ Turn the adapter until it audibly engages.

- ▶ Plug the DC plug of the power supply plug into the jack for the mains adapter plug. 
- ▶ Plug the power supply into the power outlet.

5.3 Connecting the optional foot switch

- ▶ Plug the cinch plug of the optional foot switch into the jack for the foot switch. 

5.4 Switching on the device

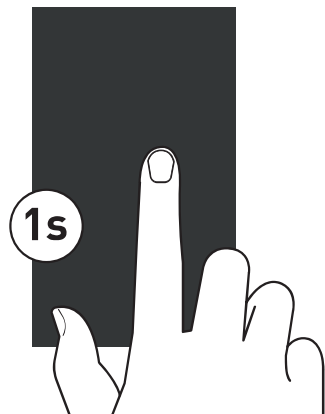
! CAUTION

Risk of injury due to uncontrolled start-up of the tattooing machine

If the device is switch on, uncontrolled start-up of connected tattooing machines is possible, which can cause the machine to fall or cause personal injury.

- ▶ Only connect the tattooing machine after the device is switched on.
- ▶ Ensure that a tattooing machine is not connected to the device.

- ▶ Touch the display for 1 second until you can see the complete bar. The most recently set voltage will be shown.



5.5 Connecting the tattooing machine

- ▶ Ensure that device is switched on.
- ▶ Plug the jack plug of the connecting cable for tattooing machine into an available jack for the tattooing machine.

6 Using the device

6.1 Disinfecting the device

NOTICE

Damage caused by fluid

If cleansers or disinfectants enter the device or the power supply plug or their jacks or plugs, a short-circuit can occur.

- ▶ Never immerse the device or power supply plug in cleansers or disinfectants.
- ▶ Never run the device or power supply plug in autoclaves or ultrasonic baths.

NOTICE

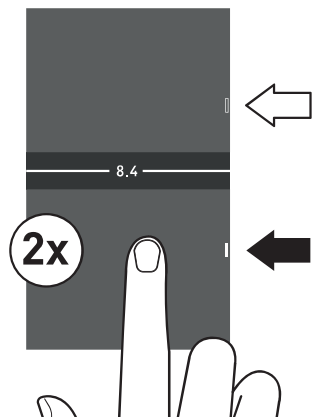
Device damage caused by non-approved cleansers or disinfectants

Cleansers or disinfectants that are not compatible with the materials of the device can damage its surface.

- ▶ Always use cleaning agents and disinfectants that are approved, i.e. that comply with stipulations in your country.
- ▶ Pay attention to compatibility of materials when selecting cleaning agents and disinfectants (see section 7.1 on page 29).

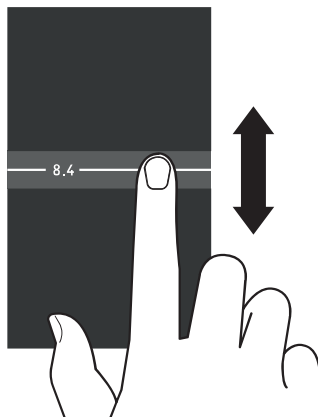
- ▶ Disconnect the device from the voltage supply by pulling the power supply plug out of the socket.
- ▶ Check to determine whether there is visible soiling of the device. In such cases, perform the steps described in the chapter 7 on page 29.
- ▶ Wipe down the device, the power supply plug and the connecting cable with a soft cloth moistened with cleanser or disinfectant.
- ▶ Cover the device with a plastic sheet.

6.2 Selecting the output



Double-tapping in the area above or below the bar toggles between the two outputs. The icon that lights up shows the active output. The most recently set voltage value will be set again.

6.3 Selecting the output voltage



The numerical value in the bar is equal to the output voltage in volts. It can be changed in 0.1 V intervals between 4.7 V - 12.5 V. By placing the finger in the area of the bar and moving it at the same time, you can set the desired value.

6.4 Starting or stopping the tattooing machine

⚠ CAUTION

Risk of injury when operating the tattooing machine

If an unsecured tattooing machine is started, uncontrolled movement can occur due to vibrations, which can cause the machine to fall or cause personal injury.

- ▶ Hold the tattooing machine before you start it or place it in a suitable holder.

You can start/stop the tattooing machine by tapping on the bar.

If the tattooing machine is running, the area of the bar is highlighted.

- ▶ Ensure that the voltage supply is connected (see the chapter 5.2 on page 26).
- ▶ Ensure that device is switched on (see the chapter 5.4 on page 26).
- ▶ Ensure that the tattooing machine is connected correctly (see the chapter 5.5 on page 27).

- Ensure that the device has a firm hold and is set up or adhered without risk (see the chapter 5.1 on page 26).

If the connected tattooing machine does not start:

- Observe chapter 10.1 on page 31.

6.5 Switch device to Standby Mode

Your device will automatically switch to standby mode if it remains unused for five minutes.

6.6 Switching off the device

- Pull the power supply out of the socket.

7 Cleaning and maintaining the device

CAUTION

Risk of short circuits and risk of mild electric shocks

If the device is cleaned while the voltage is connected, there is a risk of minor electric shock and electronic damage to the device or power supply plug.

- Disconnect the device from the voltage supply before all cleaning and service work.

NOTICE

Damage caused by fluid

If cleansers or disinfectants enter the device or the power supply plug or their jacks or plugs, a short-circuit can occur.

- Never immerse the device or power supply plug in cleansers or disinfectants.
- Never run the device or power supply plug in autoclaves or ultrasonic baths.

NOTICE

Device damage caused by non-approved cleansers or disinfectants

Cleansers or disinfectants that are not compatible with the materials of the device can damage its surface.

- Always use cleaning agents and disinfectants that are approved, i.e. that comply with stipulations in your country.
- Pay attention to compatibility of materials when selecting cleaning agents and disinfectants (see section 7.1 on page 29).

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

Manufacturer	Product	Exposure time
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.

The surfaces of the device are **resistant** to:

- Weak acids (e.g. boric acid $\leq 10\%$, acetic acid $\leq 10\%$, citric acid $\leq 10\%$)
- Aliphatic fluorocarbons (e.g. pentane, hexane)
- Most inorganic salts and their aqueous solutions (e.g. sodium chloride, calcium chloride, magnesium sulphate)

The surfaces of the device are **not resistant** to:

- Strong acids (e.g. hydrochloric acid $\geq 20\%$, sulphuric acid $\geq 50\%$, nitric acid $\geq 15\%$)
- 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)
- Acetone and benzene
- Ethanol

7.2 Disinfecting surfaces

Before and after each usage:

- ▶ Disinfect all surfaces of the device as described in the chapter 6.1 on page 27.

7.3 Cleaning surfaces

In the event of external contamination:

- ▶ Wipe down the device, the power supply plug and the connecting cable with a soft cloth moistened with cleanser or disinfectant.

8 Transport and storage conditions

NOTICE

Device damage caused by dropping it


If the device is dropped, it can be damaged.

- ▶ Always place the device on a level and stable surface, or adhere to it, so that it cannot fall.
- ▶ If the device falls, perform a visual inspection of the components.
- ▶ Hand over the device to a specialist retailer for inspection if it exhibits any external signs of damage or if it does not function normally.

- ▶ Always transport the device and its accessories in the original packaging.
- ▶ Always store the device and accessories under the following conditions:

Ambient temperature	-30 °C to +50 °C -22 °F to +122 °F
Relative humidity	30% to 75%
Air pressure	500 hPa to 1060 hPa

9 Disposal of equipment

- ▶  Dispose of the device and accessories bearing the following designation in accordance with the applicable regulations for used electronic equipment (WEEE Directive 2012/19/EU). If necessary, consult the specialist retailer or the responsible authorities to learn about applicable regulations for used electronic equipment.

10 Troubleshooting

10.1 Risk of injury when lifting the tattooing machine

If you hear a longer signal tone when you start the tattooing machine and the message CONNECT MACHINE or OVERLOAD appears on the display:

- ▶ Ensure that a tattooing machine is not connected to the device (see the chapter 5.5 on page 27).
- ▶ Make sure that you only use the Cheyenne HAWK or SOL series tattooing machines. Otherwise, the device can be overloaded

If you hear a longer signal tone while your tattooing machine is running and the message CONNECT MACHINE, OVERLOAD or WARNING appears on the display:

- ▶ Ensure that the handpiece cable of the tattooing machine is connected correctly.
- ▶ Ensure that you only use the power supply included in the scope of delivery.
- ▶ Disconnect the device from the voltage supply by pulling the power supply plug out of the socket.
- ▶ Re-connect the voltage supply.
- ▶ If this fault occurs frequently, fall all steps in the chapter 10.2 on page 31.

10.2 Eliminating malfunctions of the device

- ▶ First, disconnect the device from the voltage supply, from the optional foot switch and from the tattooing machines.
- ▶ Check all connections and re-connect the components.

- ▶ Check the functions of the device once again.
- ▶ 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.cheyennetattoo.com.

11 Manufacturer Declarations

11.1 Warranty

With this device, 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 13485:2016 (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 tattoo module with delivery of sealed and undamaged packaging. For complaints relating to 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 manual.
- Damage arising from the ingress of fluids or dirt into the drive device interior or power supply plug.

11.2 Declaration of Conformity

The manufacturer	MT.DERM GmbH Blohmstr. 37 – 61 D-12307 Berlin
hereby declares on their own responsibility that the following product:	
Product designation	Tattooing device
Product name	Power Unit 2
Item number	B70401
provisions of the following directives:	
EU	UK
EMC Directive 2014/30/EU	Electromagnetic Compatibility Regulations 2016
Low Voltage Directive 2014/35/EU	Electrical Equipment (Safety) Regulations 2016
RoHS Directive 2011/65/EU	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
The following standards were applied:	
EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019	Household and similar electrical appliances – Safety – Part 1: General requirements
EN IEC 61000-6-1:2019	Electromagnetic compatibility (EMC) Part 6-1: Generic standards – Immunity for residential, commercial and light-in-dustrial environment
EN IEC 61000-6-3:2021	Electromagnetic compatibility (EMC) Part 6-3: Generic standards – Immunity for residential, commercial and light-in-dustrial environment
Authorized representative for compiling the relevant technical documentation:	
Dr. Andreas Pachten, MT.DERM GmbH, Documentation Officer	
This declaration is issued on behalf of the manufacturer by:	
Berlin, dated 8/1/2022, Jörn Kluge	



(Signature of CEO or deputy)

Original