

PRODUCT INFORMATION SHEET

1. Product and company identification

Product name:	Kwadron Cartridge System tattoo cartridge needles
	Kwadron PMU Optima Cartridges permanent makeup cartridge needles
Supplier:	Kwadron spółka z ograniczoną odpowiedzialnością spółka komandytowa Sosnowiecka 81 31-345 Kraków, Poland

2. General safety rules

KWADRON cartridge needles are the highest quality, professional instruments for tattooing human skin for use in a dry, smokeless and clean environment under hygienic conditions. They must be prepared and used in accordance with national workplace and hygiene regulations. Please note that the product is for single use only and that after opening of the packaging, it loses the guarantee of sterility declared by the manufacturer. The conditions for the guarantee of sterility are listed below:

Cartridge needles have 5-year sterility guarantee from the date of sterilization provided that the packaging has not been tampered with, is tightly closed and was transported and stored in a manner preventing its damage.

Moreover, improper use is considered to be the use of the product in a manner other than that described in this document. It is especially forbidden to use the product for tattooing of mucous membranes, eyes and minors.

3. Product utilization

Due to contact with human body secretions during tattooing the product is marked with a symbol denoting a biological hazard. Therefore, please note the used product must not be disposed of with other household waste. The product is disposed of in accordance with country-specific rules for used medical equipment with sharp edges. The user is responsible for delivering used equipment to the point for the disposal of medical equipment. Separate collection and recycling of the products helps to protect the environment and human health. For more information on equipment disposal points, contact your local authority, recycling companies and the places where you purchased this product.



4. Product specification

4.1. Casing

The housing of each cartridge is made of a hard, medical-grade plastic that is safe in contact with human skin. The material used in this product is resistant to abrasion caused by the movement of the needle in the tip of the cartridge while the machine is operating. This guarantees that no plastic filings from the casing - which may adversely affect the healing process after tattooing or permanent makeup procedure - get under the skin. What is more, the design of each tip corresponds to a specific arrangement of needles which ensures that the dimensional

tolerance between the tip and the needle minimizes the possibility of the degradation of the casing while the machine is operating.

4.2. Needles

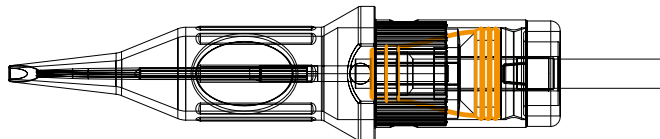
Needles used in Kwadron cartridges are made of 304L stainless steel. This type of steel is used, inter alia, in surgery. It is used to manufacture surgical instruments and elements connecting bones and implants. This material is safe when in contact with the skin. Please note, however, that before the procedure it is necessary to perform an allergy test to exclude the possibility of any complications caused by pigmentation of the client's skin with needles made of the above-mentioned material.

Kwadron declares the highest quality of the product based on the latest techniques of production and quality control.

4.3. Protective membrane

Each Kwadron cartridge has a special protective membrane inside the casing whose task is to create a barrier for pigment, blood and any body secretions or impurities created in the process of tattooing or pigmentation. This membrane is to prevent the above-mentioned substances from entering the machine's handle, its electronic and mechanical components which could expose the person under tattooing/pigmentation procedure to various types of infections. It could also damage the equipment or in extreme cases - electrical short circuit within the device.

The location of the protective membrane module is shown by the orange line in the sketch below.



4.4. Packaging

Each Kwadron cartridge needle is packaged in an Ethylene Oxide gas sterilized, disposable packaging. EO gas chemical indicator located on packaging must be blue color - this ensures that the product is sterile and the packaging is undamaged.

Ethylene Oxide is a colorless gas that is flammable and explosive. The four essential parameters (operational ranges) used in Kwadron cartridge needles sterilization process are: gas concentration (600 mg/l); temperature (38-60°C); relative humidity (48-55%) and exposure time (720 minutes). These influence the effectiveness of EO sterilization.

The Kwadron cartridge needles EO sterilization cycle consists of five stages (i.e., preconditioning and humidification, gas introduction, exposure, evacuation, and air washes) and takes approximately 18 hrs excluding aeration time. Aeration for 7 days at 38 to 41°C allows desorption of the toxic EO residual contained in exposed absorbent

5. Cartridge needles size list

The list below includes symbols of all Kwadron cartridge sizes for which Kwadron declares full compliance with this document, and in particular guarantees a properly performed sterilization process and the use of a protective membrane in them.

Kwadron Cartridge System:	25/14RLLT
	25/15RLLT
	25/18RLLT
25/1RLLT	25/3RLLT
25/11RLLT	25/4RLLT
25/12RLLT	25/5RLLT
25/13RLLT	

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5. Cartridge needles size list

25/7RLLT	30/23SEMLT	35/19SEMLT	35/11SEMMT
25/8RLLT	30/25SEMLT	35/21SEMLT	35/13SEMMT
25/9RLLT	30/27SEMLT	35/23SEMLT	35/15SEMMT
25/11RSLT	30/7SEMLT	35/25SEMLT	35/17SEMMT
25/12RSLT	30/9SEMLT	35/5SEMLT	35/19SEMMT
25/13RSLT	30/11SEMLT-SUBLIME	35/7SEMLT	35/21SEMMT
25/15RSLT	30/13SEMLT-SUBLIME	35/9SEMLT	35/23SEMMT
25/18RSLT	30/15SEMLT-SUBLIME	35/11MGLT-SUBLIME	35/25SEMMT
25/3RSLT	30/17SEMLT-SUBLIME	35/13MGLT-SUBLIME	35/5SEMMT
25/4RSLT	30/7SEMLT-SUBLIME	35/15MGLT-SUBLIME	35/7SEMMT
25/5RSLT	30/9SEMLT-SUBLIME	35/5MGLT-SUBLIME	35/9SEMMT
25/7RSLT	35/1RLLT	35/7MGLT-SUBLIME	
25/8RSLT	35/10RLLT	35/9MGLT-SUBLIME	30/3RLLT-DS
25/9RSLT	35/11RLLT	35/11SEMLT-SUBLIME	30/5RLLT - DS
25/11MGLT	35/12RLLT	35/13SEMLT-SUBLIME	30/11RSLT - DS
25/13MGLT	35/13RLLT	35/15SEMLT-SUBLIME	30/3RSLT - DS
25/21MGLT	35/14RLLT	35/5SEMLT-SUBLIME	30/5RSLT - DS
25/23MGLT	35/15RLLT	35/7SEMLT-SUBLIME	30/11SEMLT - DS
25/7MGLT	35/18RLLT	35/9SEMLT-SUBLIME	30/15SEMLT - DS
25/9MGLT	35/3RLLT	35/11FLLT	30/7SEMLT - DS
25/13MGLT-SUBLIME	35/4RLLT	35/13FLLT	35/3RLLT - DS
25/21MGLT-SUBLIME	35/5RLLT	35/15FLLT	35/5RLLT - DS
25/11SEMLT	35/7RLLT	35/5FLLT	35/3RSLT - DS
25/21SEMLT	35/8RLLT	35/7FLLT	35/5RSLT - DS
25/23SEMLT	35/9RLLT	35/9FLLT	35/9RSLT - DS
25/7SEMLT	35/11TRLLT	35/13FLLT-SUBLIME	35/5MGMT - DS
25/9SEMLT	35/13TRLLT	35/15FLLT-SUBLIME	35/13SEMMT - DS
25/13SEMLT-SUBLIME	35/5TRLLT	35/1RLMT	35/9SEMMT - DS
25/21SEMLT-SUBLIME	35/7TRLLT	35/10RLMT	
25/7FLLT	35/9TRLLT	35/11RLMT	Kwadron PMU Optima Cartridges:
30/1RLLT	35/10ERLLT	35/12RLMT	18/3RSPT-T
30/10RLLT	35/11ERLLT	35/13RLMT	25/1RLLT
30/11RLLT	35/12ERLLT	35/14RLMT	25/3RSPT-T
30/12RLLT	35/7ERLLT	35/15RLMT	30/1RLLT
30/13RLLT	35/8ERLLT	35/18RLMT	30/3RLLT
30/14RLLT	35/9ERLLT	35/3RLMT	30/5RLLT
30/15RLLT	35/10RSLT	35/4RLMT	30/7RLLT
30/18RLLT	35/11RSLT	35/5RLMT	30/3RSLT
30/3RLLT	35/12RSLT	35/7RLMT	30/3RSPT
30/5RLLT	35/13RSLT	35/8RLMT	30/5RSPT-T
30/7RLLT	35/14RSLT	35/9RLMT	30/7RSPT
30/8RLLT	35/15RSLT	35/10RSMT	30/5MGPT
30/9RLLT	35/18RSLT	35/11RSMT	30/9MGPT
30/10RSLT	35/3RSLT	35/12RSMT	35/1RLLT
30/11RSLT	35/4RSLT	35/13RSMT	35/4FLPT
30/12RSLT	35/5RSLT	35/14RSMT	40/1RLPT-T
30/13RSLT	35/7RSLT	35/15RSMT	40/1RSUT-T
30/14RSLT	35/9RSLT	35/18RSMT	
30/15RSLT	35/11MGLT	35/3RSMT	
30/18RSLT	35/13MGLT	35/4RSMT	
30/3RSLT	35/15MGLT	35/5RSMT	
30/5RSLT	35/17MGLT	35/7RSMT	
30/7RSLT	35/19MGLT	35/9RSMT	
30/8RSLT	35/21MGLT	35/11MGMT	
30/9RSLT	35/23MGLT	35/13MGMT	
30/11MGLT	35/25MGLT	35/15MGMT	
30/13MGLT	35/5MGLT	35/17MGMT	
30/15MGLT	35/7MGLT	35/19MGMT	
30/17MGLT	35/9MGLT	35/21MGMT	
30/19MGLT	35/1RLLT-T	35/23MGMT	
30/21MGLT	35/10RLLT-T	35/25MGMT	
30/23MGLT	35/11RLLT-T	35/5MGMT	
30/25MGLT	35/12RLLT-T	35/7MGMT	
30/27MGLT	35/13RLLT-T	35/9MGMT	
30/7MGLT	35/14RLLT-T		
30/9MGLT	35/15RLLT-T		
30/11MGLT-SUBLIME	35/18RLLT-T		
30/13MGLT-SUBLIME	35/3RLLT-T		
30/15MGLT-SUBLIME	35/4RLLT-T		
30/7MGLT-SUBLIME	35/5RLLT-T		
30/9MGLT-SUBLIME	35/7RLLT-T		
30/11SEMLT	35/8RLLT-T		
30/13SEMLT	35/9RLLT-T		
30/15SEMLT	35/11SEMLT		
30/17SEMLT	35/13SEMLT		
30/19SEMLT	35/15SEMLT		
30/21SEMLT	35/17SEMLT		

6. Additional information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Kwadron sp. z o.o. sp. k., shall not be held liable for any damage resulting from handling or from contact with the above product.