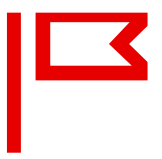


About our machine



ONYX by Defenderr is a high-tech rotary machine in a stylish ergonomic body



Main advantages are low weight, comfortable grip and no noise or vibration





Elaborated design of the model not only prevents ink from getting inside but also allows full disassembling and processing any part of the machine in an autoclave or in a dry heat cabinet.

You have no issues with consumables if you use ONYX: any **classic cartridge needles** and any cables with **RCA connector** fit it perfectly.

Maximum power is 10 W, while 3.5-6.5 V range is enough for work depending on tattoo technique used.

Main characteristics

Length	86 mm
Weight	76 g
Connector	RCA
Motor power	5 W
Voltage	3-10 V
Rotational speed	10,000 rpm
Short stroke	2.38 mm
Colors	 Stealth  Gunmetal
Warranty and maintenance service	1 year
Motor	Germany
Designed	in the USA

About our cartridges

Nano Systems from Defenderr (USA)



- The sharpest permanent make-up cartridges - only 8.5 mm.
- Patented needle stabilizing technology «Z – Systems, Long bar fixing lock» provides ideally smooth operation and let any user highlight the finest details.
- Patented system «Ink Flow Cup» is a guarantee of quick ink drawing up and equal pigment feeding without splashing.
- Light-weighted membrane for preventing ink from getting into machine and for better needle return.
- Sterilized with ethylene oxide.



R1 needle is provided in

50 various configurations

It is the widest product range in today's market.

Needle diameter

0.18 0.20 0.25 0.27 0.30 0.33 0.35

Taper type

ST - Short taper 1.5 mm

MT - Medium taper 3.5 mm

LT - Long taper 7.5 mm

SLT - Super long taper

T - Texture

RS - Round Shader

SEMST - Soft Edge Magnum Short Taper 3, Soft Edge
Magnum Short Taper 5