



INSTRUCTION MANUAL

Skin 2



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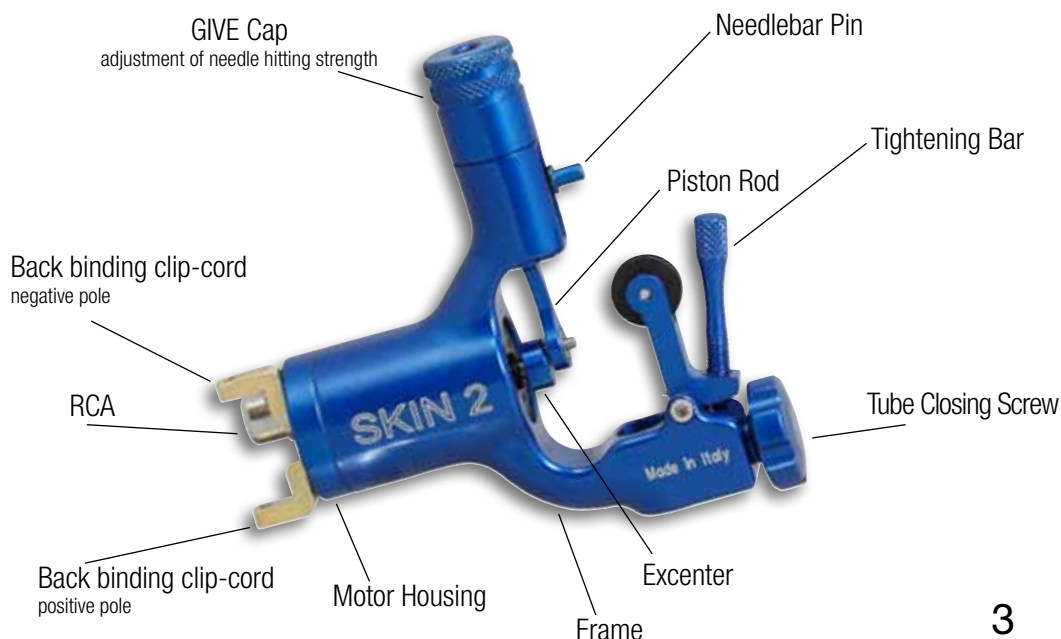
WARNING:

- 1) This machine is a precision instrument. Do not drop it or subject it to physical shock.
- 2) Do not lubricate the motor and bearings, they are maintenance-free.
- 3) Do not use the machine over 12 volts DC.
- 4) Do not use cleaners containing solvents to clean the body of the machine, do not use spray cleaners directly on the machine. To clean the machine wipe it with a well-wrung wet cloth or clean wipes.
- 5) Do not autoclave, do not ultrasonic clean.
- 6) Use a good quality Power Supply and do not exceed 12 volts.



1 Technical Data

- Voltage rating: 12 volt DC
- Recommended Input Voltage: 0 – 12 volt DC
- Revolutions per minute: 0 – 9300 rpm / min
- Stitches per second: 0 – 155 / sec.
- Current up to: 0,35 A (thermal limit)
- Needle excursion: 3,7 mm (serial excenter)
- Available excenters: 2,6 - 3,7 - 4,5 - 5,5 mm
- Excursion of needle suspension: 0 – 3 mm
- Maximum Tube Diameter: 8 mm
- Weight: 90 grams
- Dimensions: height 78 mm, width 87 mm, thickness 23 mm
- Supports up to 55 Magnum needles
- Motor: This machine is equipped with a Swiss motor
- Designed and entirely manufactured in Italy by I Max International





2 INTRODUCTION

SKIN 2 is a new conception rotary machine for tattooing. The main innovations are:



① **GIVE adjustment of needle throw and its intensity.**

You have the possibility to adjust the strength of the needle throw (GIVE). This adjustment allows to set the machine “harder” adapted for lining or “softer” adapted for colouring, filling and shading. The adjustment notches on the cap of the GIVE allow intermediate set ups.



②

Tightening bar.

No more rubber bands are needed for needle bar adjustment.

ATTENTION, tighten it lightly and don't push more than necessary, don't apply too much pressure to the needle bar.



2 INTRODUCTION



RCA Connection.

In addition to the traditional clip-cord connection, the SKIN 2 is provided with a RCA connection. The RCA connection ensures a current flow much more stable.

Adjustment of needle excursion.
Following replacement **excenters** for needle excursion adjustment are available: 3,7mm (serial excenter), 2,6 - 4,5 - 5,5 mm (replacement excenters are available separately).



5 Lightweight, silent, vibrations are reduced to a minimum.

Thanks to the Swiss Motor DC-Micromotors, high quality ball-bearings and the ultra-light materials used, the SKIN 2 is lightweight, silent and the vibrations are reduced to a minimum.



3 OPERATING MODE SKIN 2

GIVE adjustment screw of needle intensity



You have the possibility to adjust the strength of the needle throw (GIVE). This adjustment allows to set the machine “harder” adapted for lining or “softer” adapted for colouring, filling and shading. The adjustment notches on the cap of the GIVE allow intermediate set ups.

N.B. The machine comes with Liner Setting, the adjustment screw is tightened completely and the smallest notch on the cap matches with the reference notch on the machine frame. It is recommended to not fully tighten the screw GIVE but leave always 2 or 3 notches unscrewed and put there the smallest notch on the cap. If the machine does not run the screw GIVE is too tightened, unscrew a little bit.



Shader Setting (soft)

By turning the cap anti-clockwise, the adjustment screw of the needle throw GIVE is loosened and the setting becomes softer, more you loosen the screw, more the machine setting becomes SOFTER. It is possible to loosen the screw up to 2 complete rotations (2 times 360°). N. B. Never loosen the screw more than 2 complete rotations or the mechanism will disassemble.

Liner Setting (hard)

By turning the cap clockwise, the adjustment screw of the needle throw GIVE is tightened and the setting becomes harder, more you fix the screw, more the machine setting becomes HARDER. ATTENTION: Do not overtighten, do not force to screw over the limit.



3 OPERATING MODE SKIN 2

Tightening Bar

This innovation allows to adjust the bar tension without using rubber bands. Attention: place the tightening bar slightly onto the needle bar, it is sufficient once the small wheel begins to rotate. Avoid an excessive pressure on the needle bar.





4 Maintenance and Lubrication

New Skin 2 model R2 do not require lubrication. To find out if your Skin 2 is a model R2 check on the box labeled R2.

Every 80/100 hours of use lubricate the piston using VASELINE, a lubricating cream made of pure paraffin for machine utensils. For lubrication push down the piston, pass through the coil of the needle bar pin, apply a thin layer onto the pin (above) and piston (below) using a small hex wrench. Lubricate also in front and behind the piston where it joins the piston rod. Do not apply too much lubricant, a small quantity is sufficient. Turn on the machine, regulate the power unit to 11 volt and run the machine for a few minutes in order that the lubricate is distributed to the whole piston.





5 Assembling / Disassembling



Assembling / Disassembling of excenter and piston rod.

To remove the excenter from the motor and the piston rod from the piston, you need hex wrenches for M0.9 and M1.3 screws. Loosen gently the set screw which fixes the piston rod on the excenter, remove connecting plug, rotate the piston rod on the side, unscrew the screw that fixes the excenter to the motor housing and remove excenter.

To remove the piston rod, push down the piston, unscrew the screw that fixes the piston rod to the piston and finally remove the piston rod from the piston. For assembling inverse the operation.

ATTENTION:

1. Do not tighten the screws too much as you might strip the threads!
2. To mount the piston rod onto the piston tight the screw completely, then turn back half rotation therewith a sliding movement of the piston rod on the piston is given.

Alignment of the piston rod Loosen the screw that fixes the piston rod onto the excenter. Switch on the machine for a few seconds in order that the piston rod can be aligned. Fix the screw that fixes the piston rod onto the excenter. Do not tighten the screw too much as you might strip the threads.

Disassembling of the piston

After having removed the piston rod from the piston, remove the cap of the GIVE, loosen the GIVE screw completely. Loosen the set screw that fixes the needlebar pin onto the piston. Remove the piston from above paying attention that the spring doesn't get lost.

Assembling of the piston

Put the spring of the piston into its position of the frame. Insert the piston aligning the spring with its location on the piston. Insert the needlebar pin into the piston, the distance between pin and frame should be 0,1mm in order to avoid friction and noise during the use. Screw the set screw that fixes the pin onto the piston. Insert the GIVE spring and tighten the GIVE screw completely. Mount the cap.





6 Service and Warranty

For simple maintenance of your SKIN 2 you can purchase parts and utensils on www.imaxshop.com or you can call +390 541 642160. For accurate maintenance you could turn your SKIN 2 back to I Max International S.r.l., Viale Emilia 41, 47838 Riccione, Italy.

SKIN 2 includes a 12 month warranty from the date of purchase. The warranty is valid only against manufacturing defects and does not cover abrasion caused by normal use. The moving parts are subject to abrasion and are not warranted.

The warranty becomes void in following cases:

1. The motor housing has been opened. For any operation regarding the motor housing turn the machine back.
2. Input tension has been exceeded over the limit of 14 volts.
Attention: this machine is equipped with a 0-12 volts motor.
3. The machine or any part has been sterilised or cleaned in sterilizers, autoclaves or ultrasonic cleaners.
4. Damage of the machine or one of its components by improper use or carelessness.
5. Abnormal use, carelessness, excessive use, for lack of lubrication.



7 Terms & conditions

SKIN 2 is a tattoo machine for professional use. This device should only be used by professional tattoo artists in an appropriate environment using sterile needles and tubes according to the requested regulations of this activity. Keep your machine clean and lubricated. Cover the machine with the appropriate protective covers. Clean the machine after every use. Do not drop the machine as the impact might damage it. Do not connect clip-cord and RCA together. Do not use a power unit that exceeds the thermal limit of 0.35 ampere otherwise the motor will overheat. Do not use more than 14 volts!

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SOME PRODUCTS AND EQUIPMENT IF NOT PROPERLY USED MAY BE DANGEROUS AND CAN CAUSE PHYSICAL DAMAGE.

You agree to assume all risks related to or arising from your ownership and use of the tattoo machine. You agree to indemnify and hold I MAX harmless from any and all claims brought by any person or entity. This includes damaged and defective items. You also agree that you will use the purchased Merchandise in a safe and legal manner, consistent with all applicable laws, recognized safety rules, and good common sense. You, as the buyer, assume all responsibility and risk and you further agree to keep I Max Merchandise out of the hands of minors and untrained and/or immature individuals.

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Skin 2

Rotary Tattoo Machine