

GENERAL-PURPOSE SHARPENING MACHINE

ADEMS RL Evolution

MANUFACTURER'S CERTIFICATE



Togliatti, 2021

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1. PURPOSE AND SCOPE OF APPLICATION

ADEMS RL Evolution household machine is intended for formation of professional thinning scissors' support surface.

2. SCOPE OF DELIVERY

Scope of delivery includes:

- household machine ADEMS RL Evolution - 1 pc;
- fastening washer - 1 pc;
- power cord - 1 pc;
- rubber support - 4 pcs;
- screw M5x25 DIN 912 - 1 pc;
- Allen key No 4 - 1 pc;
- Manufacturer's Certificate - 1 pc.

3. TECHNICAL SPECIFICATIONS

Types of sharpened tools	✓ Thinning scissors
Methods of sharpening	✓ Formation of support surface
Motor power supply voltage, V	110
Lighting power supply voltage, V	12
Nominal motor power consumption, W, not more than	370
Adjustable frequency of wheel revolution, rpm	0...1500
Diameter of an abrasive wheel, mm	200
Machine dimensions LxWxH, mm	320x270x380
Net weight, kg	16,5
Packaged weight, gross, kg	18,5

The listed above specifications are valid at the time of the current Manufacturer's Certificate publication. Because policy of our company provides for constant development and refinement of equipment, the manufacturer reserves the right to introduce changes in technical specifications any time without prior notice and without assuming any obligations.



4. SAFETY PRECAUTIONS

ATTENTION



Before you start operation visually check the machine and ensure that power cord and moving parts of the machine are not damaged. It is forbidden to switch the machine on in case there are such damages without eliminating it.



It is recommended to connect the machine to mains socket equipped with grounding wire.



Use protective glasses and face respirator when you operate the machine. Glasses protect only against floating dust and grinding material particles but do not protect against flying debris.

5. ASSEMBLY PROCEDURE

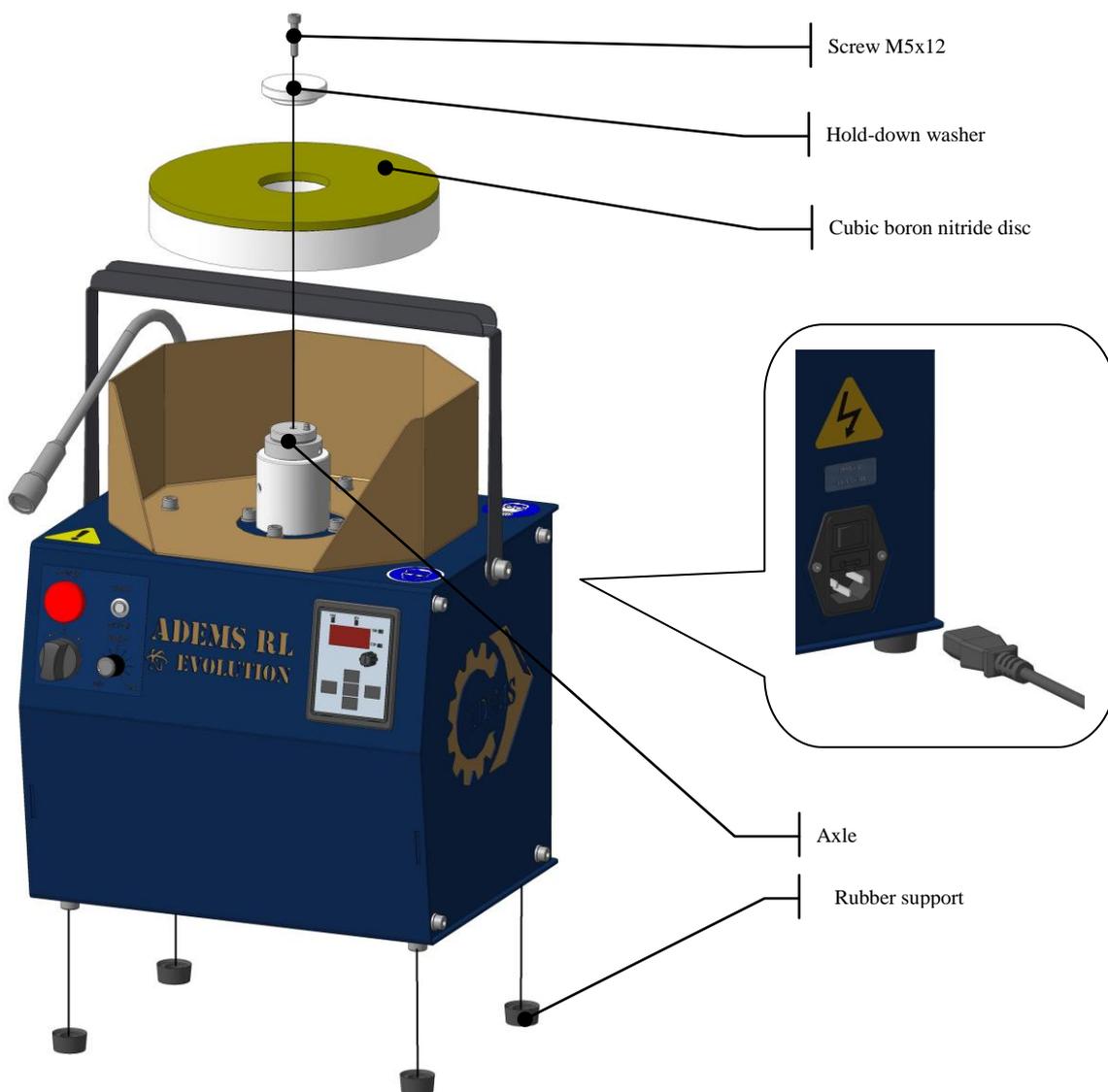


Figure 1. Prestarting procedures

Withdraw machine from packaging and put it into assigned workplace in close proximity to power source. Insert cable plug into the cable socket located on the rear side of the machine. Power supply cord should not be strained: 20% of its length should rest on the working table. Put rubber supports onto screw heads under the machine body; now machine rests upon the rubber supports.

Put cubic boron nitride disc onto the axle.

In order to facilitate further installation of the disc apply small amount of lubricating oil to junction of axle and faceplate. Make sure that the disc snugly fits down to axle base. Fasten the disc with a fastening screw.

ATTENTION

In case in wintertime you bring a machine into heated room from outside or from cold room, do not unpack the machine and do not switch it on for 8 hours. The machine should warm up to ambient air temperature. Otherwise the machine can break down when it is switched on due to moisture condensed on motor parts.

Depending on direction of faceplate rotation turn start switch to "I" or "II" position to start the machine. When start switch is in "I" position faceplate rotates clockwise, when it is in "II" position it rotates anti-clockwise. Disc starts rotation. Existent disc speed is shown in the display. Put start switch into corresponding position to change faceplate rotation direction.

6. DESIGN

Design and operating principle are described on the basis of Figure 2.

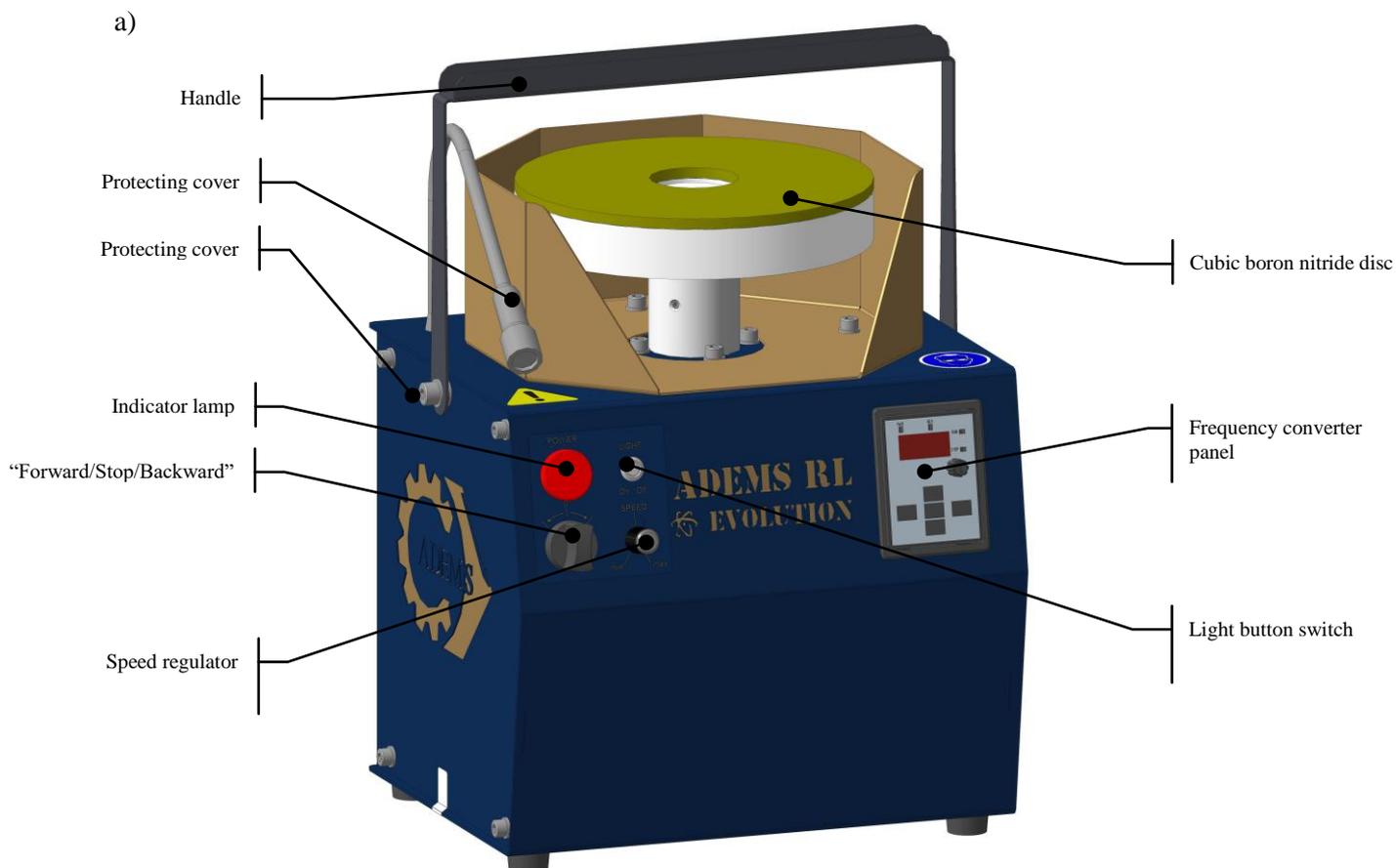


Figure 2. ADEMS RL Evolution sharpening machine

7. OPERATING PRINCIPLE

In the beginning of operation connect machine to AC mains (110 V, 50-60 Hz) with power supply plug.

STEP 1. Evaluation of scissors.

Pay attention to the back surface of scissors with opened scissors. Very often after sharpening of the front scissors ground with the convex blades and internal honing the width of support surface decreases. It causes the reduction of the cutting edge resistance and the abrasion of the back surface. The support surface height is 0,2...1,0 mm.

Take the scissors to pieces.

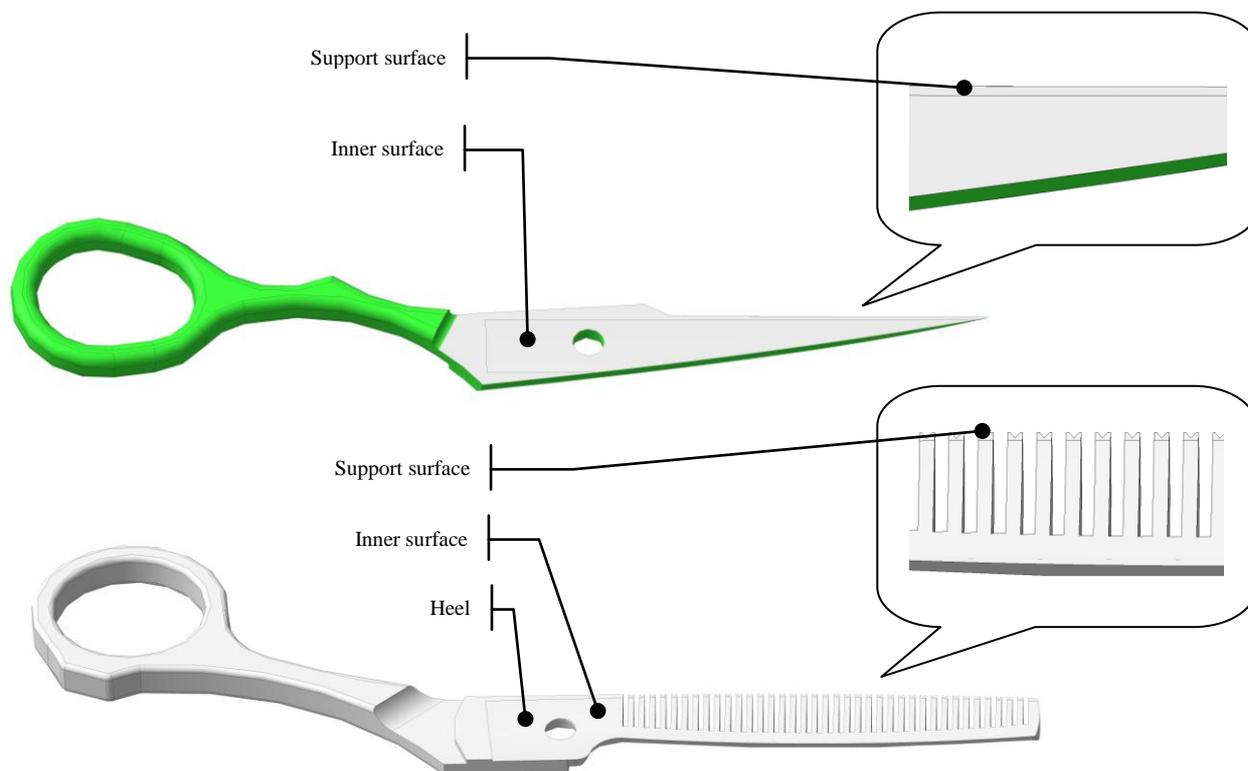


Figure 3. Scissors geometry

STEP 2. Formation of support surface.

Ensure the rheostat handle is in “min” position. Switch the machine on by turning the three-position switch right, smoothly put the speed regulator in a position corresponding to required rotation number. The wheel will turn anti-clockwise at that.

ATTENTION

Make sure you sharpen right-hand scissors. In case of left-hand scissors the wheel should rotate clockwise, for this purpose put three-position switch into extremely left position.

Regulate wheel revolution speed to the desired value (frequency converter reading on its digital display). Smoothly touch grinding wheel with the heel blade and lower the entire blade on the wheel. With manual effort hold the scissor's blade on the wheel.

Lift the blade up and visually make sure that the support surface is being formed in correct way. In case the height of the support surface is poor, it is necessary to lower the blade on the wheel once more till the needed height is formed

STEP 3. Assembly of scissors.

Now it's time to assemble scissors. Be careful tightening the screw and applying force when you connect blades. Don't forget to grease connection point.

STEP 4. Working result.

When connecting the scissors should not make noises, the connection should be smooth without knocking.

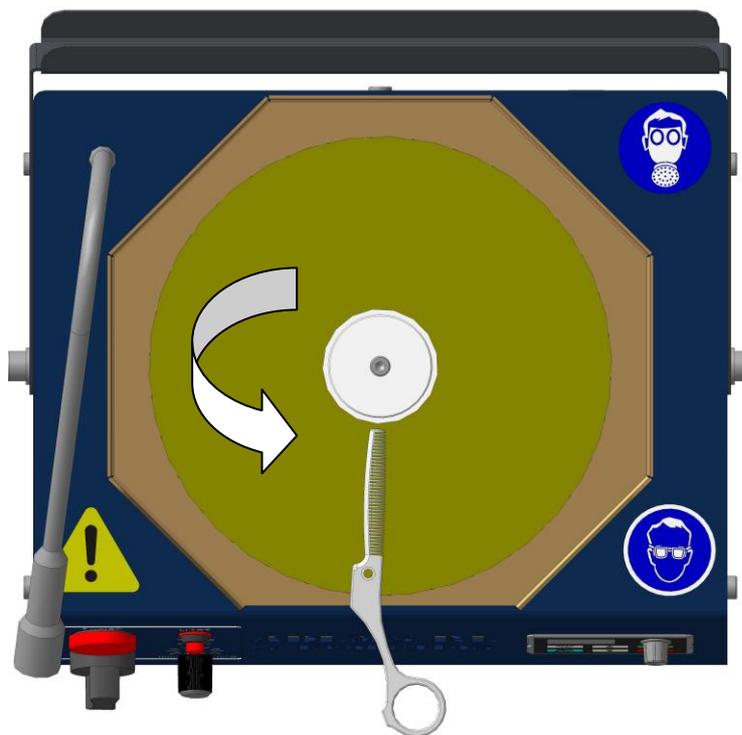


Figure 4. Position of right-hand scissor's blade

8. ADJUSTMENT, GREASING, SETTING-UP

Each time you finish work wipe the machine thoroughly with rags and remove abrasive dust in order to prevent penetration of the dust into rubbing parts. This will exclude early occurrence of backlashes. In case you do not use the machine for long time (more than 2 days) cover it with a dust guard.

Our company improves the machine constantly that is why design of your machine may have insignificant changes not described in the current Manufacturer's Certificate.

9. WARRANTY CONDITIONS

9.1. Warranty period – 12 months from the date of purchase to the end-user.

9.2. Warranty and post-warranty repair is performed only by the ADEMS specialists.

9.3. This warranty covers only manufacturing defects that occur during the warranty period and under normal use conditions.

9.4. The equipment is accepted for warranty repair if correct documents are attached: Application in free form to the CEO with fields filled in:

- equipment name;
- date of purchase;
- equipment value;
- warranty reason;
- was or was not in use;
- Customer signature;
- serial number indicated on the equipment certificate.

9.5. This warranty does not cover:

- consumable items such as disks, abrasive belts, sandpaper, oil, filters and etc.;
- power cords; in case of insulation damage must be replaced without the owner 's consent.

9.6. Warranty repair is not performed in the following cases:

- serial number appearing on the product or in equipment certificate has being altered, defaced or removed, as well as does not match each other;
- operating and handling that does not comply within the user manual;
- failure due to overload;
- the product was mechanically damaged;
- damage caused by actions of third parties, Acts of God, natural disasters, adverse environment and/or external effects of aggressive media and high temperatures;
- wear-out or damage caused by common use (total or partial resource utilization, severe internal or external contamination, rust);
- damage causes by use contrary to the operating instruction;
- equipment damage due to power surge;
- ingress of foreign bodies into the equipment, which are not wastes accompanying the intended application;
- damages resulting from storage and transportation under conditions that do not comply with ADEMS specifications or normal use;
- any unauthorized repairs, alterations or modifications or any attempt to open the good during the warranty period, as proved by damaged stickers;
- lack of maintenance;
- partial or total disassembly of the product.

9.7. Preventive maintenance of equipment (cleansing, washing and relubrication) during warranty period is a paid service.

9.8. Equipment lifetime is 3 years from the date of manufacture.

9.9. Possible violations of the above warranty conditions are reported to the owner after diagnostics of the equipment by ADEMS specialists.

9.10 The owner of the equipment trusts to carry out diagnostics by ADEMS specialists in his absence.

9.11. ADEMS is not liable under no circumstances for:

- losses or damages that cannot be attributed to ADEMS' violation of the terms of this warranty at the time of purchase of the equipment;
- losses due to owner's fault, loss of marketable state, loss of profit or lost advantage.

9.12. Service options, available spares and standby time may vary depending on the country. If service is required in a country where ADEMS does not have an Authorized Supplier, the number of service options may be limited. If international service is available, ADEMS may repair or replace equipment and spare parts with comparable equipment or spare parts in accordance with local standards.

ATTENTION

The warranty period is extended for the time the equipment is in warranty repair.



10. ACCEPTANCE CERTIFICATE

10.1. Household machine for professional formation of thinning scissors' support surface ADEMS RL Evolution with serial number 39/____-2021 is classified as fit for operation.

10.2. Manufacturer's address:

39, Kommunalnaya street, Togliatti, 445043, Russian Federation

10.3. Electric motor serial number _____.

10.4. Serial number of the frequency converter _____.

If in doubt of equipment integrity, please, contact Machines Warranty Department on the following phone number by WhatsApp, Viber: +7 964-927-69-74.

Date of manufacture _____

QC Department Head _____

Date of purchase _____

Seller's name _____

Seller's signature _____ / _____ /

Print full name

Stamp here _____

I confirm that the equipment was checked, in good condition, packaged and has an indefectible exterior when buying.

I have read and understood the terms of warranty service.

Buyer's signature _____ / _____ /

Print full name



11. REMARKS, COMMENTS, NOTES

