Sistema User Manual and Safety Instruction

1. Product Purpose

These nail bits are intended for professional use by manicure and pedicure technicians. They are designed for working on the skin, cuticle, lateral nail folds, as well as for buffing and smoothing the natural nail surface.

The product is not a medical device.

2. Technical Specifications

Instrument type: diamond bits.

Shank diameter: 2.35 mm.

Working part material: diamond-coated surface.

Colour coding and grain size:

- Yellow ring — 50/40 µm (extra fine)
- Red ring — 63/50 µm (fine)
- Blue ring — 125/100 µm (medium)
- Green ring — 160/125 µm (coarse)
- Black ring — 200/160 µm (very coarse)

3. Maximum rotation speed

The manufacturer does not specify minimum rotation speed.

The following maximum values are allowed:

• Diameter 010–023 mm — up to 40,000 RPM

• Diameter 023–040 mm — up to 30,000 RPM

• Diameter 040–070 mm — up to 20,000 RPM

The actual working speed should be selected by the nail technician based on the bit's shape, diameter and the technique applied.

4. Safety Precautions

- for professional use only;

- check the bit for defects before use;

- insert the shank fully into the handpiece;

- do not use the bit if vibration, run-out, chipping or deformation is detected;

- avoid lateral pressure and sudden movements;

- wear protective goggles, a mask and gloves;

- prevent overheating;

- replace dull or worn bits;

- avoid contact with chlorine-containing agents, hydrogen peroxide and other aggressive chemicals.

5. Preparation for Use

1. Inspect the bit.

2. Perform disinfection, pre-cleaning and sterilization.

3. Insert the bit fully.

4. Bring the device to working speed.

5. Ensure there is no vibration.

6. Instrument Processing

6.1 Disinfection:

Use EU-approved PT2 disinfectants. Fully immerse the instrument in the disinfectant solution. Follow concentration and exposure guidelines.

Prohibited: chlorine-containing agents, hydrogen peroxide.

6.2 Pre-cleaning (manual or ultrasonic):

- use soft brushes;

- ultrasonic bath: 5–6 minutes;

- rinse under running water;

- fully dry the instrument before sterilization.

6.3 Sterilization:

Air (dry heat) sterilization (preferred):

- 160 °C — 150 minutes

Steam sterilization:

- 135 °C at 0.21 MPa — 5–7 minutes

7. Transportation and Storage

Transportation:

• Temperature –60…+50 °C

• Relative humidity up to 100 % at +25 °C

Storage:

• Temperature –50…+40 °C

• Relative humidity up to 98 % at +25 °C

• Store in dry rooms with natural ventilation.

• Protect from moisture, corrosion and chemicals.

Guaranteed shelf life: 3 years from the date of shipment.

8. Service Life

Service life depends on frequency of use, technique and processing quality.

Discontinue use if signs of wear, vibration or run-out appear.

9. Manufacturer

NPOOO “Sistema”

220037 Minsk, V. Khoruzhey St. 22–37, Belarus

Email: sistema1.by@yandex.by

10. EU Importer

SIA “Beauty Baltic”

Rūpniecības iela 32B-1H, LV-1045, Rīga, Latvia

Email: siabeautybaltic@gmail.com