

User Manual

Device table Linnea

- Model 650, 850 och 1050
- Model Piccolo
- Model S – Zeiss, Quantel, Ellex



Table of content

1.	Rini device table Linnea	3
2.	Important – Before Use.....	4
2.1	Unpacking	4
2.2	Installation.....	4
2.3	Intended areas of use	4
3.	Product identification label	5
4.	Function and use	6
4.1	Wheels	7
4.2	Height adjustment of the table	7
4.3	Squeeze protection	7
5.	Disinfection, cleaning and repairs.....	8
6.	Safety	8
6.1	CE Declaration of conformance	8
7.	Technical data	9
8.	Disposal and recycling.....	9
9.	Warranty	9

1. Rini device table Linnea

Thank you for choosing a Rini device table.

Linnea is a stable device table available in different widths and that can be tailored much to the customer's needs. This applies to the design of the tabletop and the integration of different devices and instruments.

- High accessibility for both medical staff and patients
- Rini customize tabletops and outlets for different instruments for an optimal work environment.
- Electrically powered height adjustment with soft start/stop
- Squeeze protection for the patient

The Linnea device table is designed to offer the best possible comfort, ergonomics and design to meet the demands of daily work. Both the patient and the operator have been the focus in connection with the development.



The Linnea tables are designed for a wide range of instruments in ophthalmology such as microscopes, lasers and slit lamps etc. The design is very stable and is based on a framework fitted with two synchronized lifting columns. The table provides ample space for both operator and patient legs as well as for wheelchairs. The table is electrically controlled and equipped with squeeze protection for the patient. The Linnea tables are available in several standard versions but can also be customized.

Rini is constantly improving existing products and developing new ones. Consequently, we value the professional user's point of view; so don't hesitate to let us know your opinion about any of our product lines.

2. Important – Before Use



To ensure patient safety and the lifespan of the product, it is important to observe the following instructions before use. Please read this manual carefully and understand how to use the product before you start.

2.1 Unpacking

Before the product is unpacked make sure that the packaging has not been damaged during transport. If so, document these with a picture and report this immediately to the transport company and your local Rini representative.



Be careful when lifting the product off the pallet as it is heavy and may cause injury. Do not use sharp tools when removing the packaging material. This may cause damage.

Make sure that the delivery includes all ordered parts. Contact your Rini sales representative if you find any discrepancies.

2.2 Installation

The Linnea device table is normally delivered fully assembled and ready to use. Connected the table to a standard mains socket rated 100-240VAC.

2.3 Intended areas of use

The Linnea tables are designed to provide extra accessibility for operators and not least patients in wheelchairs. The tables are available in several standard designs but can also be adapted for customer-specific treatment environments. The tables are primarily intended for eye exams, where, for example, slit lamps, lasers, microscopes and similar equipment are mounted on them.

Intended uses include:

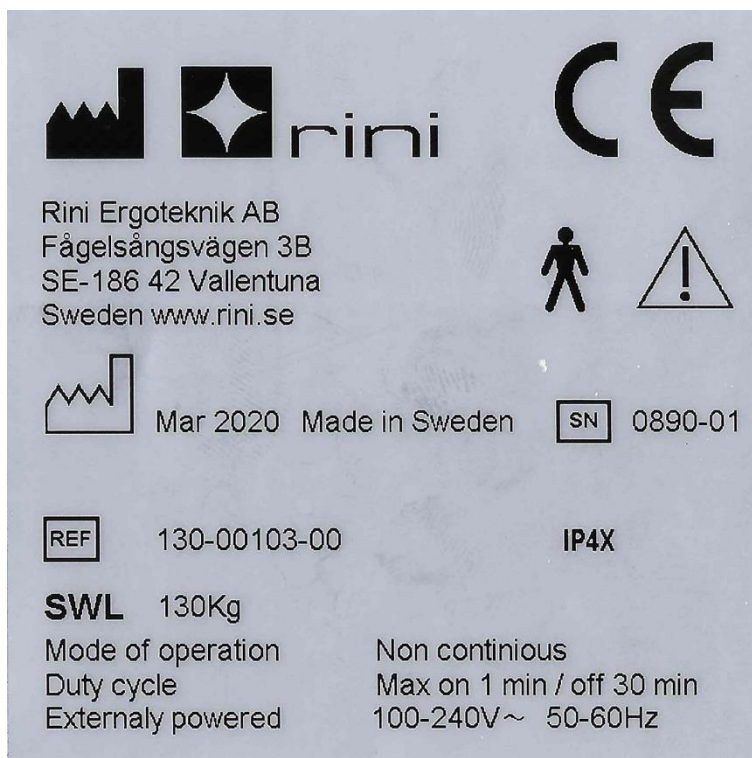
- Eye Exam
- Eye treatment with laser and similar instruments
- General apparatus table within the healthcare environment





The Linnea table is only intended for indoor use and for the purposes specified in this manual. Any other use may present a risk to the user. The table must not be equipped with accessories or components other than those approved by Rini Ergoteknik AB and repairs and other technical measures may only be carried out by authorized personnel. The table must not be used for devices that weigh more than specified for the current Linnea model.

3. Product identification label

The label is located on one of the lifting columns and shows the product part number and its unique serial number. For questions about this product, always specify these numbers to facilitate identification.

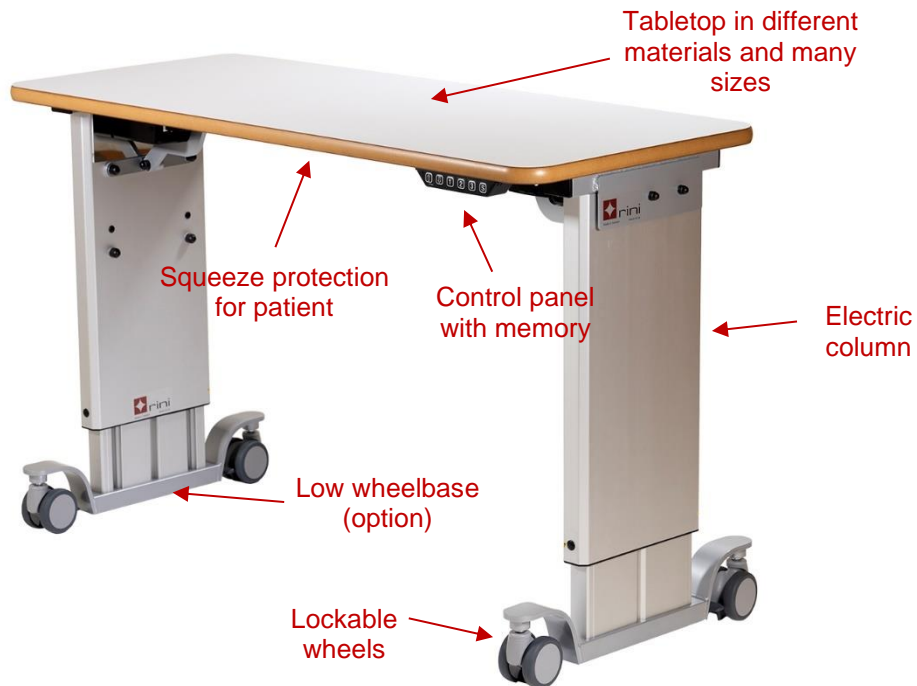


Label description

	Warning, risk is present. Read the applicable information in the user guide.
	Type B product with protection against electric shock.
SWL	Safe Work Load. The product must not be loaded with more than the specified weight.
IP4X	Touch protected but not protected against ingress of liquids.
Duty cycle and power	Average ratio between operating time and idle time of the electrical lifting mechanism. Mains power 100 – 240 VAC.

4. Function and use

The Linnea tables are available in different designs depending on options and accessories. Accessories are for example power outlets for instruments used on the table to reduce the number of cables. Below are Linnea 850 and Linnea Piccolo in basic design.



4.1 Wheels

The table is equipped with four high quality wheels for easy mobility and high stability. All wheels are individual lockable.

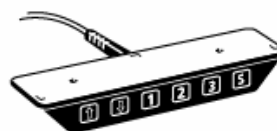


Warning! It is important that the wheels on the table are locked when the table is used for examination. Incorrect use can cause personal injury and incorrect examination results.

4.2 Height adjustment of the table

Linnea Piccolo has an up and down button without memory. The other tables have the following control panel with three memory positions.

-  Desk up
-  Desk down
-  Store memory
-  Memory 1
-  Memory 2
-  Memory 3



Desk Panel

The desk panel has buttons for adjustment of the height of the table up and down as well as buttons for stored height positions. With the buttons 1, 2 and 3 for pre-programming is it possible to store up to three programmable heights of the table. Press the button until the stored position is achieved.

Choose the valid height of the table with the arrow buttons. Then press the S-button and release. Then within two seconds press the button 1, 2 or 3 there you want to store the actual height.

If the table by any reason needs to restore the zero point, press the desk down button until the table move to its end position. Unhand the button and press it again for at least 30 seconds. The table will now move down to its zero point.



The load on the table Linnea 650, 850, 1050 and S (flat columns) must not exceed 130 kg and for Linnea Piccolo (round columns) must not exceed 80 kg.

4.3 Squeeze protection

All Linnea tables are equipped with a squeeze protection under the tabletop on the patient side. If the table is lowered and strikes the patient's knees, the table will stop and raise slightly to avoid injuries.

5. Disinfection, cleaning and repairs

Cleaning of patient-near surfaces such as the tabletop and the squeeze protection should be done at least once a week, but always follow the hospitals cleaning procedures.

Recommended Disinfection

Part	Product	Other information
Tabletop, frame and wheels	Virkon (including most disinfectants without alcohol).	1% concentration (Disinfectants containing alcohol should not be used)
Metal parts and painted surfaces	Noedischer Dekonta CCOTRADE RW	1-3% concentration 0,5% concentration

Recommended Cleaning

Part	Product	Other information
Tabletop, frame and wheels	Water and soap	Use damp cloth
Control panel, control unit	Water and soap	Use damp cloth

Repairs

The product should only be repaired by Rini or a Rini authorised service centre. Product to be repaired under warranty must be sent to Rini factory or an authorised Rini service centre.



Unauthorized repairs and modifications may result in loss of function and void warranty.

6. Safety

The product should only be used as intended otherwise it can cause injury to persons or product. Read this manual before the product is put into service. Necessary knowledge of the product is required before clinical use and this manual should always be available when using the product. No accessories other than those mentioned in this manual may be used. Please note the warning signs on the product.



Warning signs are used when there is a risk for patients, staff or product.

6.1 CE Declaration of conformance



Device table Linnea 130-001nn-nn follows MDD EU Directive 93/42 EEC for medical products.

Tested according to EN/IEC 60601-1.

7. Technical data

General	
Height adjustment	Linnea 690 - 1040mm Linnea Piccolo 580 - 1240mm
Medical classification	Class 1 Type B
Standard	EN/IEC 60601
Protective class	IP4X
Power supply	100 - 240VAC
Weight	Linnea 650, 850, 1050, S: from 42kg Linnea Piccolo: from 37kg
Maximum load	Linnea 650, 850, 1050, S: 130kg Linnea Piccolo: 80kg
Operational environment	
Temperature	+10°C to +40°C
Relative humidity	20% to 90% at 30°C
Atmospheric pressure	700 to 1060 hPa
Storage and transport	
Temperature	-10°C to +50°C
Relative humidity	20% to 90% vid 30°C
Atmospheric pressure	700 to 1060 hPa

8. Disposal and recycling

The product is mainly made from environmentally recyclable materials as steel, stainless steel, aluminum and plastics. Rini recommends that the material be sorted and recycled in connection with the destruction of the product.



Electronic parts and cables shall be handled as electronic waste in accordance with local requirements.

9. Warranty

The warranty is valid one year from the date of purchase. Please contact Rini for further information.

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