

Vertical conveyor

Instruction Manual

Original Instructions



CE

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1 About this manual

Instruction Manuals

Struers equipment must only be used in connection with and as described in the Instruction Manual supplied with the equipment.



Note

Read the instruction manual carefully before use.



Note

If you wish to view specific information in detail, see the online version of this manual.

2 Safety

2.1 Intended use

The vertical conveyor is intended to contain and deliver specimen holders to Struers grinding and polishing machines, more specifically Xmatic Compact.

2.2 Vertical conveyor safety precautions



2.2.1 Read carefully before use

Ignoring this information and mishandling of the equipment can lead to severe bodily injuries and material damage.

See the Instruction Manual for the machine on which the vertical conveyor is mounted.

2.3 Safety messages in this manual



WARNING

Struers equipment must only be used in connection with and as described in the Instruction Manual supplied with the equipment.



CRUSHING HAZARD

Wear safety shoes when handling heavy machinery.

3 Getting started

3.1 Device description

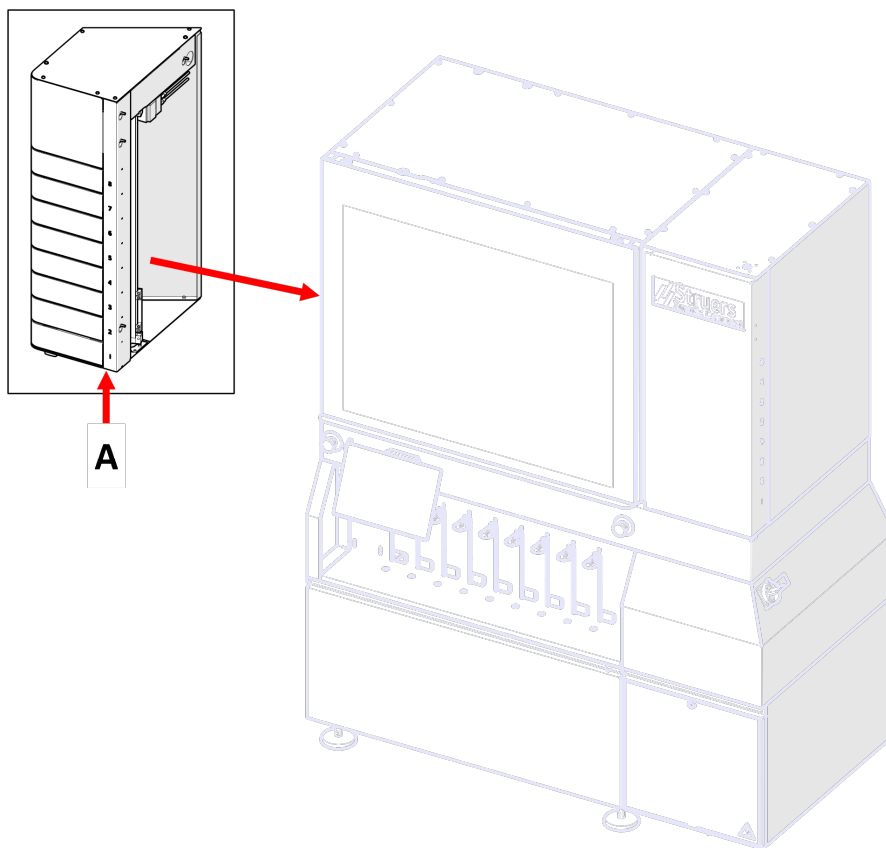
The device consists of 8 drawers which can be used to contain and deliver specimen holders to the machine.

Each drawer position can read specimen holders' RFID tags.

Each drawer can be opened and a specimen holder can be inserted.

The vertical conveyor contains an arm that can pick up and deliver the specimen holder to the connected machine.

3.2 Overview



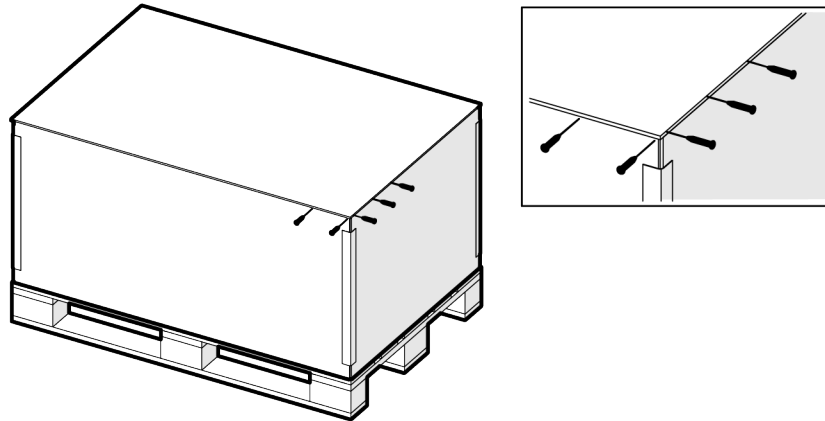
A Vertical conveyor

4 Installation

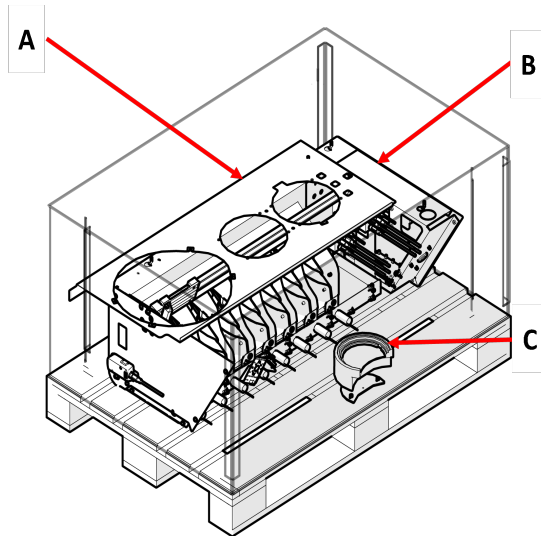
4.1 Unpacking

Note
Struers recommends that all original packaging and fittings are kept for future use.

1. Open and remove the top of the packing box.



2. Check that all the items in the packing list are in the packing box. See also: [Checking the packing list](#) ▶ 7



- A Top plate
- B Vertical conveyor
- C Pick-up station

Note
The illustration shows a top plate with room for an ultrasonic cleaning station. Your top plate may look different.

Note
Do NOT try to lift the vertical conveyor from the pallet.

4.2 Checking the packing list

Optional accessories may be included in the packing box.

The packing box contains the following items:

Pcs.	Description
1	Vertical conveyor
6	Screws, M6 x 20 mm, combi
1	Pick-up station for Xmatic Compact
1	Base for pick-up station
2	Hexagonal screw, M5 x 10 mm
1	Instruction Manual set

4.3 Lifting

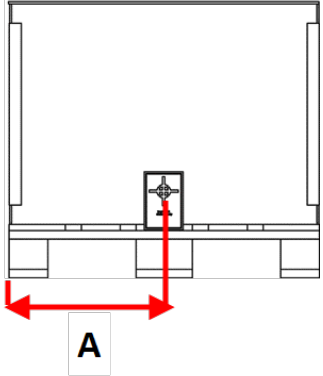
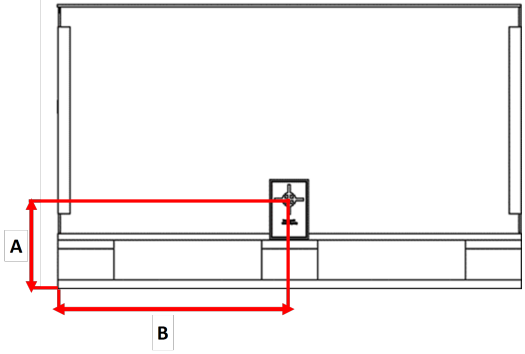


CRUSHING HAZARD

Wear safety shoes when handling heavy machinery.

Weight	
Vertical conveyor	Total weight: 86 kg/190 lbs. Net weight: 45 kg/99 lbs.

Lifting points and center of gravity

Vertical conveyor	
<p>Side view</p> <p>A:</p> <p>400 mm/16"</p>	
<p>Front view</p> <p>A:</p> <p>224 mm/9"</p> <p>B:</p> <p>600 mm/23.6"</p>	

Procedure

The machine must only be lifted from the pallet by a certified service technician.

4.4 Mounting the vertical conveyor on the machine

The vertical conveyor must be mounted on the machine by a certified Struers technician.

4.5 Noise

For information on the sound pressure level value, see the Instruction Manual for the machine to which the vertical conveyor is connected.

5 Operating the device

For instructions on how to operate the device, see the specific machine manual.

6 Maintenance and service

For instructions on how to maintain the device, see the instruction manual for the machine on which the vertical conveyor has been mounted.

7 Disposal



Equipment marked with a WEEE symbol contains electrical and electronic components and must not be disposed of as general waste.

Contact your local authorities for information on the correct method of disposal in accordance with national legislation.



For disposal of consumables and recirculation fluid, follow local regulations.

8 Technical data

8.1 Technical data - Vertical conveyor

Subject	Specifications	
Directives/Safety standards	See the Declaration of Incorporation of Partly Completed Machinery.	
Dimensions and weight	Width	330 mm (13")
	Depth	542 mm (21")
	Height	1008 mm (40")
	Weight	Total weight: 86 kg (190 lbs) Net weight: 45 kg (99 lbs)
Operating environment	Surrounding temperature	5 - 40°C (41 - 104°F)
	Humidity	35-85 % RH non-condensing
Storage and transport conditions	Surrounding temperature	-25 – 55°C (-13 – 131°F) [-25 – 70°C (-13 – 158°F during max 24 hours].
	Humidity	35-85 % RH non-condensing
REACH	For information about REACH, contact your local Struers office.	

8.2 Legal and regulatory information

FCC notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

9 Manufacturer

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Fax: +45 44 600 801
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Responsibility of the manufacturer

The following restrictions should be observed, as violation of the restrictions may cause cancellation of Struers legal obligations.

The manufacturer assumes no responsibility for errors in the text and/or illustrations in this manual. The information in this manual is subject to change without notice. The manual may mention accessories or parts not included in the supplied version of the equipment.

The manufacturer is to be considered responsible for effects on safety, reliability, and performance of the equipment only if the equipment is used, serviced, and maintained in accordance with the instructions for use.

Declaration of Incorporation of Partly Completed Machinery

Manufacturer	Struers ApS • Pederstrupvej 84 • DK-2750 Ballerup • Denmark
Name	Vertical conveyor
Model	Vertical conveyorN/A
Function	Specimen holder system to transport the holder to and from the process.
Type	06886901, 06886902
The above listed machinery is only intended to be used with: And shall not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with this regulation, where appropriate.	Xmatic Compact
Serial no.	



Module H, according to global approach

EU

We declare that the product mentioned is in conformity with the following legislation, directives and standards:

2006/42/EC

2011/65/EU

2014/30/EU

2014/53/EU

Additional standards NFPA 79, FCC 47 CFR Part 15 Subpart B

Authorized to compile technical file/
Authorized signatory

Date: [Release date]

