



USTER® AUTOSORTER 6

The essential laboratory system

Technical Data

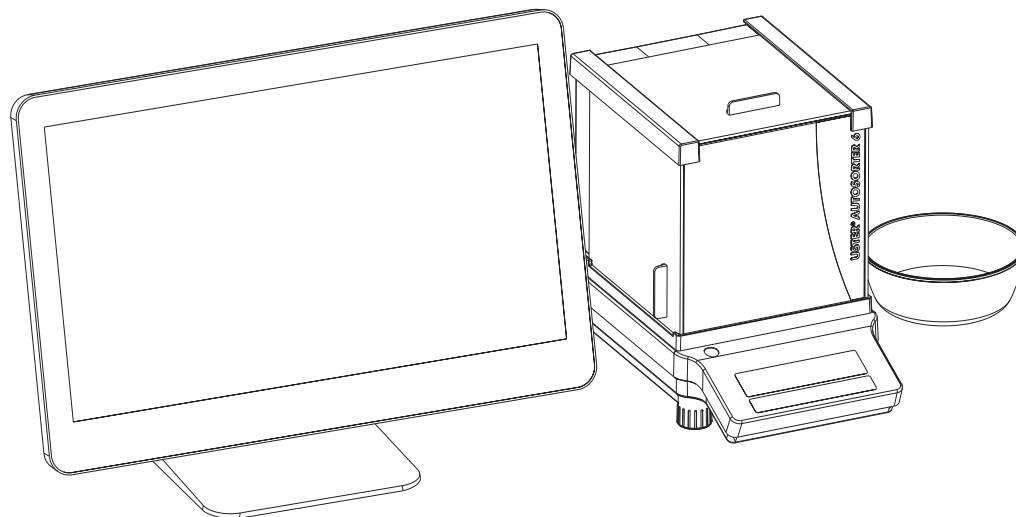
April 2021

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Basic installation USTER® AUTOSORTER 6

Determination and analysis of the count of sliver, rovings, yarns and weight per unit area for fabrics.



Overall installation

Functions

- Determination of count of yarns, rovings and slivers
- Determination of the weight per unit area of woven and knitted fabrics
- Easy operation by using prestored test programs
- Analysis, evaluation and data storage of the measurement values

Included in the delivery

- Control unit consisting of the Panel PC with touch-screen
- Balance with glass cover
- Bowl for weighing sliver and rovings

A separate network cable is not included

Application range

Measurements in the range of 0.001 to 320 g

Control unit

USTER® AUTOSORTER 6 computer software

- USTER® AUTOSORTER 6 intuitive touch application software
- Windows 10 IoT operating system

USTER® AUTOSORTER 6 computer hardware

- Industrial computer with Intel® processor
- 2 internal hard drives for operating system, data storage and data backup
- 500 GB data storage

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Application software USTER® AUTOSORTER 6

Reports	Type of report	<ul style="list-style-type: none">– Standard test report of the measurement series– Predefined table reports for different application– Live view report during measurement
	Display and printout of the reports	<ul style="list-style-type: none">– Analysis tool with all measured data– Automatic printout possibility after the measurement
Numerical output of results		Average count of yarn, roving and sliver, and weight per unit area of fabrics
Statistics	Statistical values	Overall result protocol with statistical data of the test results <ul style="list-style-type: none">– Mean value– Standard deviation– Coefficient of variation– Q95 % confidence interval– Minimum value– Maximum value
Data protection		<ul style="list-style-type: none">– Automatic data backup to dedicated internal hard drive every 15 minutes– Data export to external USB or other network devices supported
Input of data, output of results, languages, units	Dialog and report languages	Chinese, English, French, German, Italian, Japanese, Portuguese, Russian, Spanish or Turkish (other languages on request)
	Possible units	<ul style="list-style-type: none">– Weight units: mg, g, oz, GN– Textile units: Tex, dtex, mtex, den, GN/yd, Nm, Nec, New, Nel, YSW, g/m², GN/yd², mg/cm², lb/in², oz/yd²– Length units: m, yd– Area units: yd², m², in², cm²
System security	Protection functions	<ul style="list-style-type: none">– System protected from viruses, network and other security threats– Remote support capabilities built in– Diagnostic tools with extensive event logging

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General

General ambient conditions

Room climate

The ambient conditions must be maintained in order to avoid any influencing of the test material according to ISO 139 (2011)

- Temperature:
(20 ± 2) °C for standard atmosphere and
(23 ± 2) °C for standard alternative atmosphere
- Humidity:
(65 ± 4) % relative humidity for standard atmosphere and
(50 ± 4) % for standard alternative atmosphere

Operating temperature

Balance: +5 to 40 °C
Panel PC: 0 to app. 40 °C

Storage temperature

Balance: -25 to 70 °C
Panel PC: -10 to app. 50 °C

Installation data

Electrical connections

Single phase mains with protective conductor

Mains voltage range

Balance: 100 to 240 VAC, ±10%; 0.3 A
Panel PC: 100 to 240 VAC, ±10 %

Mains frequency

Balance: 50/60 Hz
Panel PC: 50/60 Hz

Power consumption

Maximum 94 VA

Dimension

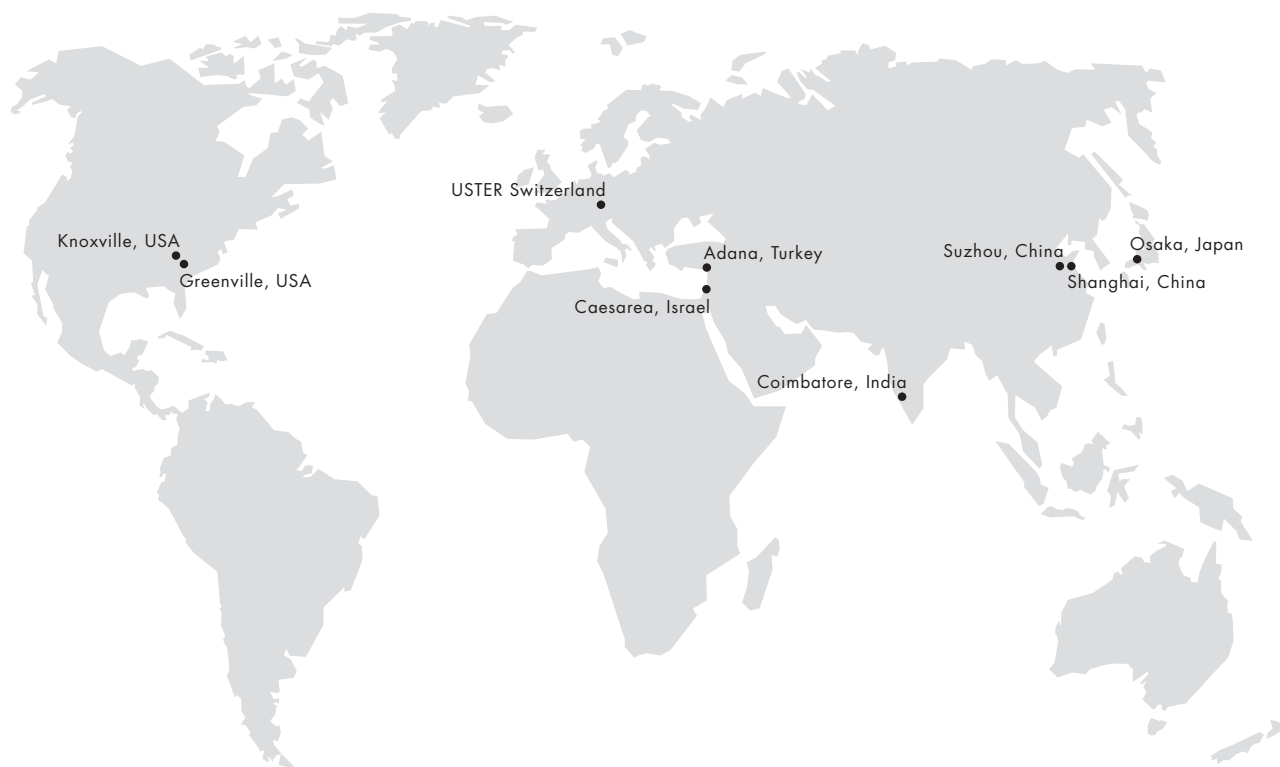
Balance: length 319 mm, width 210 mm, height 289 mm
Panel PC: length 210 mm, width 528 mm, height 420 mm

Weight of the installation

Net weight Balance: app. 5 kg
Net weight Panel PC: app. 11 kg

Uster Technologies has made all possible efforts to ensure that all information is accurate at the time of publication. Hereby it is declared that alterations to the product may be possible at any time. In these cases the information contained in this technical datasheet is subject to change without notice.

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