



# USTER® AUTOSORTER 6

The essential laboratory system

Technical Data

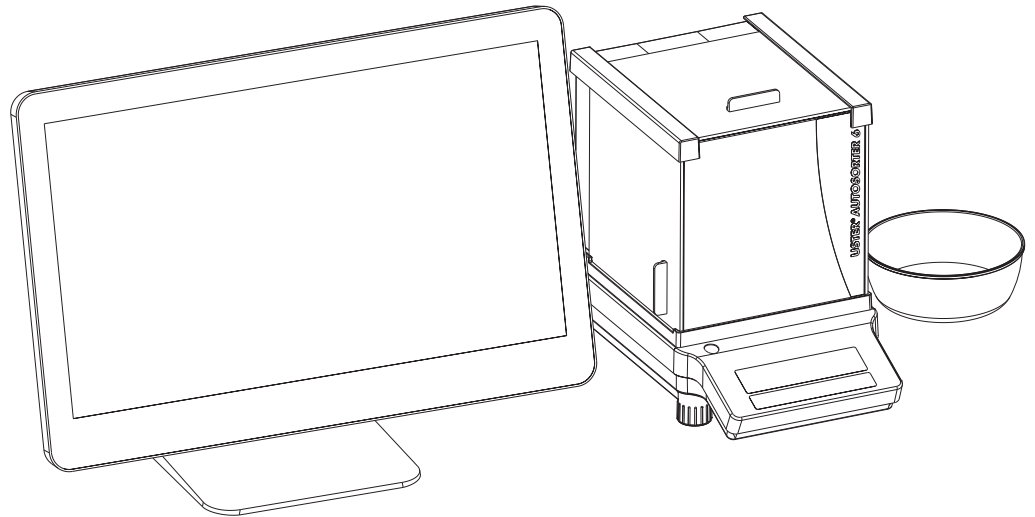
April 2022

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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 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

|  |  |  |
|--|--|--|
| <b>Reports</b>                                     | <b>Type of report</b>                      | <ul style="list-style-type: none"> <li>- Standard test report of the measurement series</li> <li>- Predefined table reports for different application</li> <li>- Live view report during measurement</li> </ul>  |
|  | <b>Display and printout of the reports</b> | <ul style="list-style-type: none"> <li>- Analysis tool with all measured data</li> <li>- Automatic printout possibility after the measurement</li> </ul>   |
| Numerical output of results                        |  | Average count of yarn, roving and sliver, and weight per unit area of fabrics  |
| Statistics   | <b>Statistical values</b>                  | <p>Overall result protocol with statistical data of the test results</p> <ul style="list-style-type: none"> <li>- Mean value</li> <li>- Standard deviation</li> <li>- Coefficient of variation</li> <li>- Q95% confidence interval</li> <li>- Minimum value</li> <li>- Maximum value</li> </ul>  |
| Data protection                                    |  | <ul style="list-style-type: none"> <li>- Automatic data backup to dedicated internal hard drive every 15 minutes</li> <li>- Data export to external USB or other network devices supported</li> </ul>  |
| Input of data, output of results, languages, units | <b>Dialog and report languages</b>         | Chinese, English, French, German, Italian, Japanese, Portuguese, Russian, Spanish or Turkish (other languages on request)  |
|  | <b>Possible units</b>                      | <ul style="list-style-type: none"> <li>- Weight units:<br/>mg, g, oz, GN</li> <li>- Textile units:<br/>Tex, dtex, mtex, den, GN/yd, Nm, Nec, New, Nel, YSW, g/m<sup>2</sup>, GN/yd<sup>2</sup>, mg/cm<sup>2</sup>, lb/in<sup>2</sup>, oz/yd<sup>2</sup></li> <li>- Length units:<br/>m, yd</li> <li>- Area units:<br/>yd<sup>2</sup>, m<sup>2</sup>, in<sup>2</sup>, cm<sup>2</sup></li> </ul> |
| System security                                    | <b>Protection functions</b>                | <ul style="list-style-type: none"> <li>- System protected from viruses, network and other security threats</li> <li>- Remote support capabilities built in</li> <li>- Diagnostic tools with extensive event logging</li> </ul>   |

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### General

|                                   |                              |   |
|-----------------------------------|------------------------------|---|
| <b>General ambient conditions</b> | <b>Room climate</b>          | The ambient conditions must be maintained in order to avoid any influencing of the test material according to ISO 139 (2011) <ul style="list-style-type: none"><li>– Temperature:<br/>(20 ± 2) °C for standard atmosphere and<br/>(23 ± 2) °C for standard alternative atmosphere</li><li>– Humidity:<br/>(65 ± 4) % relative humidity for standard atmosphere and<br/>(50 ± 4) % for standard alternative atmosphere</li></ul> |
|                                   | <b>Operating temperature</b> | Balance: +5 to 40 °C<br>Panel PC: 0 to app. 40 °C   |
|                                   | <b>Storage temperature</b>   | Balance: -25 to 70 °C<br>Panel PC: -10 to app. 50 °C  |
|                                   | <b>Installation data</b>     | <b>Electrical connections</b><br>Single phase mains with protective conductor   |
|                                   | <b>Mains voltage range</b>   | Balance: 100 to 240 VAC, ±10 %; 0.3 A<br>Panel PC: 100 to 240 VAC, ±10 %  |
|                                   | <b>Mains frequency</b>       | Balance: 50/60 Hz<br>Panel PC: 50/60 Hz   |
|                                   | <b>Power consumption</b>     | Maximum 94 VA   |
| <b>Dimension</b>                  |                              | Balance: length 319 mm, width 210 mm, height 289 mm<br>Panel PC: length 210 mm, width 528 mm, height 420 mm   |
| <b>Weight of the installation</b> |                              | Net weight Balance: app. 5 kg<br>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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