Guidelines

for the supply of sample material for the USTER® *STATISTICS*

We are very pleased that you have decided to supply us with sample material for the USTER® *STATISTICS*. Your contribution will greatly help to make this undertaking a success. Many thanks indeed for your support and for your interest in this project.

With your support we were able to release in 2018 the latest USTER® *STATISTICS* 2018, which is offered for the first time as an app. The USTER® *STATISTICS* 2018 app is ready to download now. The QR code leads to a website (www.uster.com/statistics2018) with all the details.

If you spend a few minutes of your time to study these guidelines and if you follow the respective instructions, you should be able to realize this new campaign easily. We may not be able to clear up all uncertainties with these guidelines. But you can contact us at any time by telephone or by email in order to discuss your questions or suggestions. Your contact in this matter is Ms. Theresa Ritter.

Uster Technologies
Textile Technology
Ms Theresa Ritter
Sonnenbergstr. 10
CH - 8610 Uster
Switzerland

Telephone: (+41) (0)43 366 3636
Email: Theresa.Ritter@uster.com

Once again, many thanks for your support. We look forward to our cooperation and await your delivery of material.

Textile Technology, Uster Technologies AG

1. Use of the samples, data protection, confidentiality

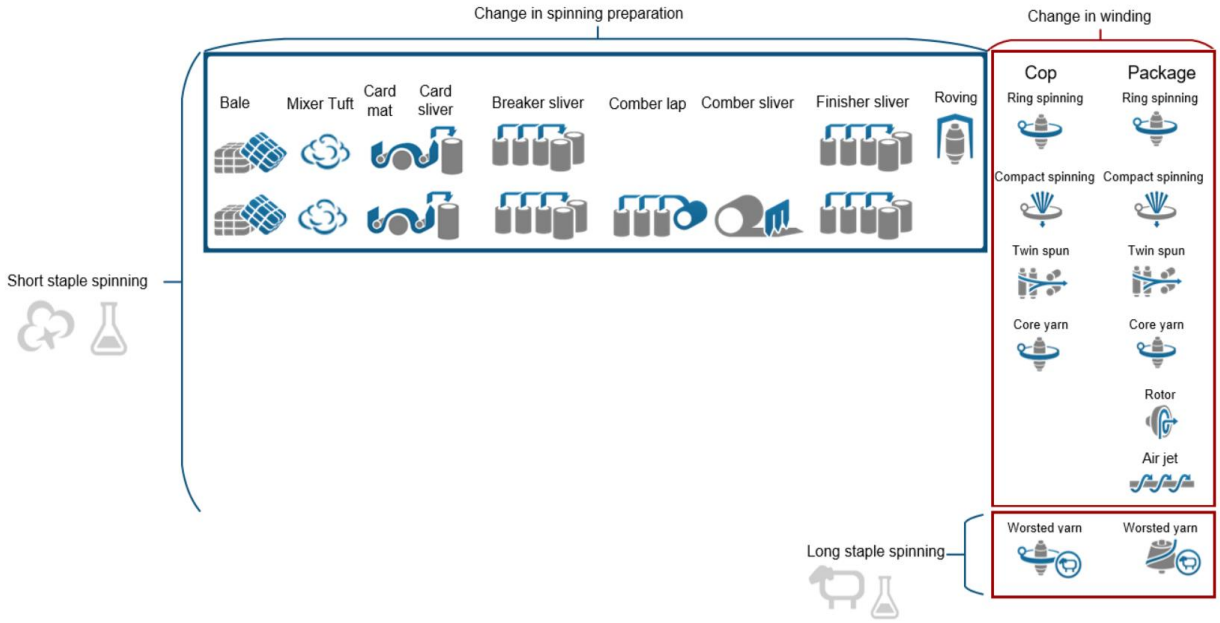
When we receive your sample material, all important quality characteristics are determined with USTER Technologies testing systems in our own laboratory. These test results are filed in a database for further evaluation. All information about your company and about the origin, description and characteristics of the sample material are of course subject to **data protection** and will be handled with the strictest **confidence**. The data are used exclusively for **statistical purposes** and will be deleted after a certain period.

After the testing has been completed, the remnants of yarns and fibers as well as the tubes and packing materials will be disposed or recycled in an ecologically sound manner.

The testing of the supplied materials and all the other activities within the scope of the USTER® *STATISTICS* in any case represent a **free service** provided by USTER Technologies AG. You will of course receive all the data which are produced in the course of this analysis.

2. Sampling stages in spinning

In order to make the USTER® *STATISTICS* applicable to as many users as possible, we need a wide range of different materials, spinning methods and yarn counts. The list below may not be complete, but it does show which materials are given preference in practical applications. There is no restriction whatsoever to the yarn count range or to the number of samples that you may want to supply to us.



We would like to include the following stage of the spinning process for the evaluations:

- **All short staple fibers** and their blends: Samples of all process stages, which are mentioned in the graph.

- **Yarns** from the **short staple spinning mill**. These are specifically:
  - Ring yarns, compact yarns, rotor yarns, air jet yarns
  - Core yarns: ring core yarns, compact core yarns, rotor core yarns
  - Twin spun yarns: ring twin spun yarns, compact twin spun yarns
  - Plied yarns: ring plied yarns, ring core plied yarns, compact plied yarns, rotor plied yarns, air jet plied yarns
  - The raw material can be of cotton (combed and carded), manmade fibers (cellulosics and synthetics) as well as the blends thereof.

- **Yarns** from the **long staple spinning mill.** These are specifically:
  - Worsted yarns, worsted compact yarns
  - Core yarns: worsted core yarns, worsted compact core yarns
  - Twin spun yarns: worsted twin spun yarns
  - Plied yarns: worsted plied yarns

3. Identification of the samples

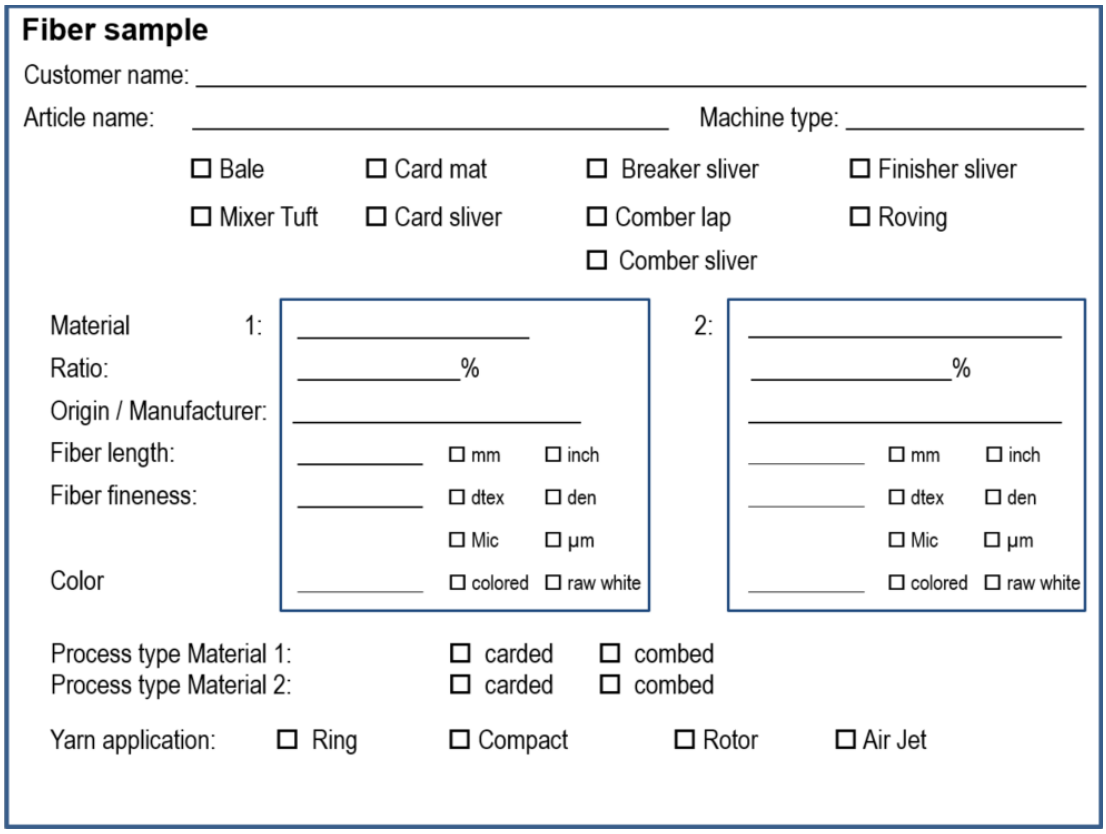
In order to make things easier for you, we have enclosed **stickers for the identification of the samples** with this guideline. Should you require more stickers, please contact us.

The stickers should be filled in completely, then these will contain all the information which we require for a complete declaration of the samples, and then can make evaluations from them.

- If possible, provide all information in **English**
- Material specifications should be provided in **full text** or with **abbreviations for fiber materials** (e.g. CO = Cotton, WO = Wool, PES = Polyester, CV = Viscose, CMD = Modal, CLY = Lyocell, LI = Flax (Linen), PAN = Acrylic, PA = Polyamide, EL = Elastane, etc.)

- Up to the stage of roving, please use the blue fiber label (Change in spinning preparation).
- For all yarns, please use the red yarn label (Change in winding).

Blue label for fiber samples (Change in spinning preparation)



Fiber sample

Customer name: _____

Article name: _____ Machine type: _____

☐ Bale ☐ Card mat ☐ Breaker sliver ☐ Finisher sliver

☐ Mixer Tuft ☐ Card sliver ☐ Comber lap ☐ Roving

☐ Comber sliver

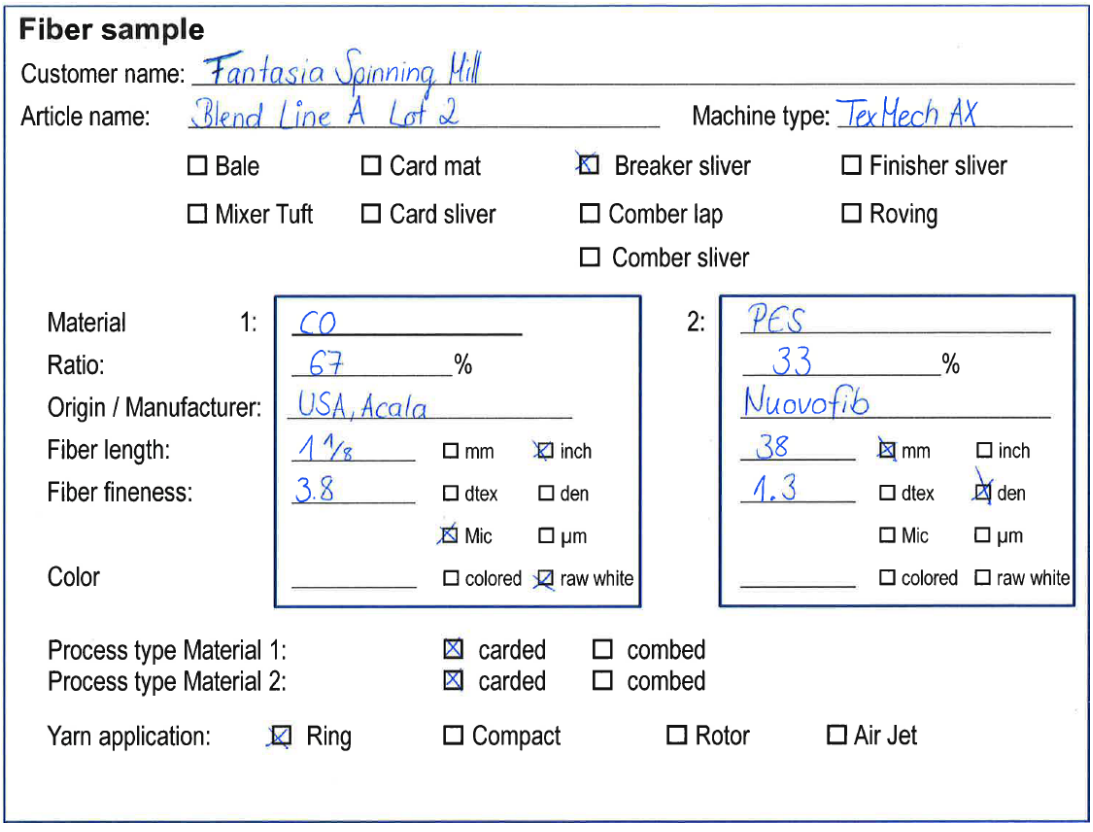
		1:	2:
Material		_____	_____
Ratio:		_____ %	_____ %
Origin / Manufacturer:		_____	_____
Fiber length:		_____ ☐ mm ☐ inch	_____ ☐ mm ☐ inch
Fiber fineness:		_____ ☐ dtex ☐ den	_____ ☐ dtex ☐ den
		☐ Mic ☐ µm	☐ Mic ☐ µm
Color		_____ ☐ colored ☐ raw white	_____ ☐ colored ☐ raw white

Process type Material 1: ☐ carded ☐ combed

Process type Material 2: ☐ carded ☐ combed

Yarn application: ☐ Ring ☐ Compact ☐ Rotor ☐ Air Jet

Example:



Fiber sample

Customer name: Fantasia Spinning Mill

Article name: Blend Line A Lot 2 Machine type: TexMech AX

☐ Bale ☐ Card mat ☒ Breaker sliver ☐ Finisher sliver

☐ Mixer Tuft ☐ Card sliver ☐ Comber lap ☐ Roving

☐ Comber sliver

		1:	2:
Material		CO	PES
Ratio:		67 %	33 %
Origin / Manufacturer:		USA, Acala	Nuovofib
Fiber length:		1 1/8 ☐ mm ☒ inch	38 ☒ mm ☐ inch
Fiber fineness:		3.8 ☐ dtex ☐ den	1.3 ☐ dtex ☒ den
		☒ Mic ☐ µm	☐ Mic ☐ µm
Color		_____ ☐ colored ☒ raw white	_____ ☐ colored ☐ raw white

Process type Material 1: ☒ carded ☐ combed

Process type Material 2: ☒ carded ☐ combed

Yarn application: ☒ Ring ☐ Compact ☐ Rotor ☐ Air Jet

Red label for yarn samples (Change in winding)

Yarn sample

Customer name: _____

Article name: _____ Machine type: _____

	1.	2.	3.
Material	_____	_____	_____
Ratio	_____ %	_____ %	_____ %
Origin/Manufacturer	_____	_____	_____
Process	☐ carded ☐ combed/worsted	☐ carded ☐ combed/worsted	☐ carded ☐ combed/worsted
Fiber length	_____ ☐ mm ☐ inch	_____ ☐ mm ☐ inch	_____ ☐ mm ☐ inch
Fiber fineness	_____ ☐ dtex ☐ den ☐ µm ☐ Mic	_____ ☐ dtex ☐ den ☐ µm ☐ Mic	_____ ☐ dtex ☐ den ☐ µm ☐ Mic
Color	☐_____ ☐ raw white ☐ colored	☐_____ ☐ raw white ☐ colored	☐_____ ☐ raw white ☐ colored

Yarn application: ☐ Ring ☐ Compact ☐ Rotor ☐ Air jet ☐ Twin Spun ☐ Core ☐ Plied

Special yarn application: ☐ _____

Nominal count:_____ ☐ tex ☐ Ne ☐ Nm ☐ ktex Format: ☐ Cop ☐ Package

Fabric application: ☐ knitting ☐ weaving weft ☐ weaving warp

Nominal Twist:_____ ☐ T/m ☐ T/inch Twist direction: ☐ S ☐ Z

Example:

Yarn sample

Customer name: Fantasia Spinning Mill

Article name: CXC 4 Machine type: TexMech R4

	1.	2.	3.
Material	CO	_____	_____
Ratio	100 %	_____ %	_____ %
Origin/Manufacturer	Shankar 6	_____	_____
Process	☒ carded ☐ combed/worsted	☐ carded ☐ combed/worsted	☐ carded ☐ combed/worsted
Fiber length	27 ☒ mm ☐ inch	_____ ☐ mm ☐ inch	_____ ☐ mm ☐ inch
Fiber fineness	4.3 ☐ dtex ☐ den ☐ µm ☒ Mic	_____ ☐ dtex ☐ den ☐ µm ☐ Mic	_____ ☐ dtex ☐ den ☐ µm ☐ Mic
Color	☐_____ ☒ raw white ☐ colored	☐_____ ☐ raw white ☐ colored	☐_____ ☐ raw white ☐ colored

Yarn application: ☒ Ring ☐ Compact ☐ Rotor ☐ Air jet ☐ Twin Spun ☐ Core ☐ Plied

Special yarn application: ☐ _____

Nominal count: 30 ☐ tex ☒ Ne ☐ Nm ☐ ktex Format: ☐ Cop ☒ Package

Fabric application: ☒ knitting ☐ weaving weft ☐ weaving warp

Nominal Twist: 830 ☒ T/m ☐ T/inch Twist direction: ☐ S ☒ Z

4. Sample size

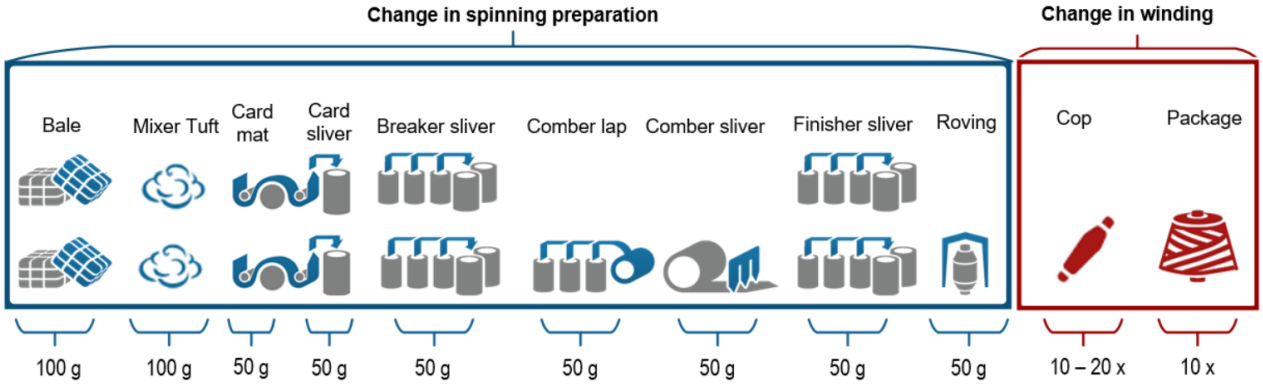
We would be pleased if you can supply us the following minimal sample size, depending on the raw material.

Short staple spinning mill

- 100 g - bale, mixer tuft
- 50 g - through complete process until roving
- 10 - 20 yarn cops (depending on count, <Ne 24 = 20 cops)
- 10 yarn packages (with 30 km each, totaling to a minimum length of 300 km)

Long staple spinning mill

- 10 – 20 yarn cops (depending on count)
- 10 yarn packages (with 30 km each, totaling to a minimum length of 300 km)



5. Packing and shipping

Select a stable standard packing to ensure that your samples arrive in undamaged condition in Switzerland. We leave it to you to choose the appropriate **shipping method**. As we cover the freight cost on request, however, we attach importance to a delivery which is fast and as economical as possible. For great distances we recommend air freight. **Please do not place any fast (express) freight orders**, because the cost of these are enormously high.
Please ship either by surface or slow mail.

For easy identification of the boxes please put the enclosed "USTER® *STATISTICS*" stickers on each box.

The delivery should be addressed via the agency to:

Uster Technologies AG
Textile Technology / Laboratory
Attn: Ms. Theresa Ritter
Sonnenbergstr. 10
CH - 8610 Uster

Switzerland

Each delivery will be confirmed in writing.

6. The test report and the USTER® *STATISTICS*

Every company which supplies us with materials and therefore makes an important contribution to the USTER® *STATISTICS* will receive a **comprehensive test report** about all the completed measurements. This test report will also contain results which have been produced with the latest measuring methods.

Please note therefore **your complete shipping address** and **contact person, phone number and email address**, so that the final report can be sent to your attention.

Please give us some time to process your order. As we receive samples from all over the world and as the material often arrives in batches, it may even take several months until you receive your test report. Like the testing in general, the test report will also be **free of charge**.

As a sign of appreciation and to say thank you for your patience and for your friendly support, we will send you an additional **free copy of the USTER® *STATISTICS*** after its publication. If you have not received a copy of the latest release (edition 2018), please inform us via info@uster.com or via our homepage www.uster.com and order your personal copy.