Contamination Control Instruments
CCI vK GmbH & Co. KG
www.cci-vk.de

ASTM-MEASURING TABLE

PARTICLE MEASUREMENT ON CLEANROOM GARMENTS AND CLEANROOM TEXTILES

The measurement process is started simultaneously with the particle counter. This makes handling simple and straightforward.

We also offer service measure-ments

Particle measurement according to ASTM-F51

MEASURING TABLE

Made in Germany

The CCI measuring table system is used to measure the particle contamination of cleanroom garments and textiles using an industrially applicable, reproducible and meaningful test method.

For this purpose, particle measurement on cleanroom textiles is carried out using the suction method. The method is based on the ASTM guideline and is described in detail therein.

The DITF (Deutsche Institute für Textil- und Faser-forschung Denkendorf) has optimised this process and CCI has implemented it in an industrially applicable testing system.

The cleanroom garment is placed on the sample table, manually stretched taut and blown through with ultra-pure compressed air. The sample air is supplied directly to the particle counter.

Benefits

// **Speed** – measurement duration freely selectable in seconds
// **Functionality** – simple measurement procedure thanks to automatic process
// **Reproducibility** – measurement reproducible at any time in a defined manner
// **Textile protection** – gentle measurement method
// **Sample volume flow** – easily adjustable to any cleanroom textile
// **Particle counter** – use of standard devices with soft-ware for storing measurement data and transferring it to a computer for evaluation, e.g. using an Excel sheet

To the product video

Residual particle concentration in cleaned cleanroom textiles

QUICK MEASUREMENT TEST

Optimised measuring table for determining particulate residual contamination in accordance with ASTM-F51

// Aluminium frame,
Top: stainless steel (mirror finish),
2nd level: brushed stainless steel
// Canti lever with pneumatically lowerable sampler and flow indicator, lifting and lowering of the sampler via foot switch
// Sampler base recessed into table
// Start/Stop function via foot switch
// Stainless steel control box for pressure display, pressure reducer and fine metering valve
// In accordance with DITF recommendations, the measurement time is 30 seconds per individual measurement/sample at a volume flow of 22 litres per minute
// Simple measurement process thanks to automatic sequence with integrated control in combination with the particle counter
// Measurements can be reproduced at any time
// Gentle testing method for cleanroom garments and cleanroom textiles
// Dimensions (L x W x H)
Test bench: approx. 70 x 70 x 120 cm
Table: approx. 70 x 70 x 90 cm

Optional accessories

// KANOMAX Model 3905 laser particle counter
// Transport box (aluminium) for the particle counter with standard accessories
// Filter
// Software for data coding
// Compressor for ultra-pure air

Qualification

// Individual qualification of the measuring table in accordance with GMP regulations in the IQ and OQ phases

Only particle counters with a sample volume of 1 cft (28.3 l/m) may be used for the measuring table

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PREVENT, MONITOR AND REDUCE CONTAMINATION:

CLEANROOM TECHNOLOGY
MEASUREMENT TECHNOLOGY
PARTICLE VISUALISATION
SERVICES (E.G. DQ, IQ, OQ, PQ)
REUSABLE GARMENTS
CONSUMABLES

CCI vK GmbH & Co. KG
Daimlerstr. 32 | 76344 Eggenstein-Leopoldshafen
Germany
phone + 49 721 667393-30 | fax -59
info@cci-vk.de | www.cci-vk.de

We are certified according to DIN EN ISO 9001