

Press release

EMC trade fair: Shieldex and dataTec present customised shielding tent for EMC scanners

Custom-fit Shieldex shielding tent for Pendulum scanner / High shielding effect against electromagnetic fields

Reutlingen, 4 April 2023 - From 28 to 30 March, dataTec and Shieldex presented a joint innovation for electromagnetic shielding of the SCN-500 EMC scanner from Pendulum Instruments at the trade fair for electromagnetic compatibility, EMC, in Stuttgart. The shielding tent, specially configured by Shieldex and dataTec's test and measurement technology experts for this scanner, prevents electromagnetic interference from the environment from coupling into the test instrument, ensuring that EMC tests can be performed accurately and are repeatable.

Penetration of interference signals effectively prevented

The Shieldex shielding tent consists of a three-layer conductive combination of metallised fabrics with a high shielding effect against electromagnetic fields. It provides a shielding attenuation of at least 75 dB in the frequency range from 0.03 to 8 GHz, effectively preventing interference signals from entering the test instrument. The SCN-500 from Pendulum Instruments is a broadband near-field probe scanner used to test the radiated electric or magnetic fields of electronic assemblies. It is often used during development to ensure that the function of devices and systems is not impaired by electromagnetic interference.

Customised solution with expertise from Shieldex

"The application around the Pendulum scanner is new to us," says Sebastian Wessels, Senior Business Development Manager at Shieldex Statex Produktions- und Vertriebs GmbH. "We are pleased to be able to support dataTec AG and its customers in the market with this specially configured shielding tent."

In addition to technical aspects, practicality and a professionally designed working environment also played a role in the development of the shielding tent. So, together with dataTec, it was decided to provide the tent with an internal frame. The shielding tent also offers good accessibility to the test instrument, as it is equipped with a large opening at the front. It allows the user to easily position and operate the test instrument. The interior is sufficiently dimensioned so that, for example, a signal analyser can be placed next to the scanner. A shielded cable duct facilitates the insertion of shielded cables.

Optimum working conditions and highest performance ensured

"The customised shielding tent from Shieldex offers the highest performance and optimum working conditions for measurement and test engineers," summarises Dipl.-Ing. Frank Heller, Business Development Manager at dataTec. "Being able to offer our customers a high-quality complete solution with scanner and matching shielding tent from our partner Shieldex fulfils our claim of providing holistic solutions for every measurement requirement."

For Shieldex and dataTec, EMC is an important event as an industry meeting place on the subject of electromagnetic compatibility, where both companies can make valuable contacts with decision-makers from industry and science. Since the complete solution consisting of shielding tent and EMC scanner could not be shown at the trade fair in Stuttgart, dataTec invites interested parties to arrange a product demonstration at the Reutlingen site or at their own company. Further information can be found at <https://www.datatec.eu/> and <https://www.shieldex.de/>.

www.datatec.eu #messbaregröße

About dataTec

dataTec AG is Germany's leading specialist distributor for test and measurement technology. Since 2018, dataTec has been pursuing the European expansion of its sales activities and is currently active in Spain, Switzerland, Austria and in the Nordic countries of Sweden, Estonia and Finland. The broad product portfolio of more than 50 manufacturers includes power supply units, oscilloscopes, modular measurement technology, test systems, test equipment and thermal imaging cameras. With over 120 employees, the Swabian family-owned company advises customers from a wide range of industries and sectors - from industrial companies to public authorities and educational institutions - from its headquarters in Reutlingen.

Press contact

Tanja Wendling

Head of Product Communication

dataTec AG

Ferdinand-Lassalle-Str. 52 72770 Reutlingen, Germany

Phone +49 7121 / 51 50 50

Fax +49 7121 / 51 50 10

E-mail tanja.wendling@datatec.eu