

Sedo Treepoint at ITMA 2023 –Smart Factory solutions for improving sustainability and digitalization.



Sedo Treepoint is excited to be again part of the world largest textile and garment technology exhibition - ITMA in Milan.

Our highlight is the Sedomat 6000/8000 Series which brings together the knowledge of more than 45 years of machine automation. The new series comes in four different sizes: Sedomat 6007 is a cost-effective solution for high degree automation which offers many flexible internal I/O options.

Sedomat 8007 has a 7” touch user interface and is the perfect solution for lab machines and data acquisition. Sedomat 8010 comes with a 10,1” touch display which can be adapted to every dyeing and finishing machine. With a maximum of 48 internal IO, it can already be used for many machines or be easily expanded adding SedoIO’s. Sedomat 8015 offers a big 15,4” display for visualization of processes and is the ideal choice for most complex machines including continuous machines. Here the max internal IO is possible up to 80IO.

In addition to the well proven benefits of the Sedomat controllers, the new series is more flexible through various I/O options and different interface options like CANopen, Profibus DP and MODBUS RTU. To improve the communication between different systems, OPC UA and MQTT interfaces will enhance data communication. A PLC is already included for easy adaption to all dyeing and finishing machines. It is tested for rough production environments and build according to highest quality standards. It is now one of the most modular and advanced systems on the market and offers everything needed for Industry 4.0 and a smart factory.

SedoMaster MES is the core of the production shop floor: Intelligent central production planning, control, monitoring, and reporting becomes available. It is a useful tool for all key operators and the management due to the connection of all dyeing and finishing machines. SedoMaster also links all periphery systems like dispensers, dissolvers, or ERP systems. Powerful reporting gives information on productivity, resource costs and OEE. It helps to better understand operations and to get more out of workforce, equipment, and materials.

ColorMaster is the expert system for recipe management and color measurement. The Windows based software calculates the best and most cost-effective recipe in laboratory and in

production it offers the optimum treatment and correct dye program selection. Colorimetric control within different production steps and calculation of additions for addition treatments supplement its functionality. A lot of dyestuffs and chemicals and finally also costs can be saved due to the exact recipe calculation. The many process optimization options in ColorMaster really improve costs and output in production.

Within the past years, energy cost becomes one of the most important cost factors for the textile finishing industry. EnergyMaster supports measuring, controlling, and targeting of the energy consumption. It can e. g. easily be found out the largest energy users, what is causing peak consumption and abnormal consumption can be detected. By defining an energy efficiency plan with clear goals, significant energy savings can be realized quickly. All over the use of EnergyMaster saves a lot of costs and results in a better carbon footprint.

The Textile Manufacturing Simulation system (TMS) is developed to create the most efficient production schedule for all active production orders (SFOs). With TMS all orders can meet their delivery date and the machine utilization is enhanced. Further advantages are optimized resources and energy costs as well as improved quality.

Morapex enables reliable, non-destructive tests in some minutes. Its main functions are analyzation of pH value and residuals, control of wash procedure, check of wash and water as well as perspiration fastness. Testing with the systems is possible at any stage of production and in laboratory.

Using a Sedo SmartBracelet the machine operator will get every notice directly on his wrist. He can act immediately when a machine requires his attention.

SedoAPP is an extension to SedoMaster MES solution which allows users to keep track of their operations whenever they want and wherever they are.

TEXconnect is a cloud based platform offering a wide range of MES features for the complete textile manufacturing chain. TEXconnect supports textile companies in their journey towards Industry 4.0 and Smart Manufacturing.

With Sedo Treepoint systems you get many cutting-edge features for the Smart Factory and along with smart software solutions the complete textile supply chain is integrated through intelligent production. Sedo Treepoint products help to improve sustainability, reduce costs, and increase productivity and efficiency at the same time.