

# Brückner's

## 70 years of success through innovation



Mrs. Regina Brückner, CEO, Brückner Trockentechnik, Germany.

**For 70 years, BRÜCKNER has been the worldwide partner for all companies which are drying, coating and finishing web-shaped materials: whether clothing fabrics, nonwovens, carpet, glass or coatings - the variety of materials to be processed has never been limited.**

Today, it is no longer just a question of machines, but rather of automation and control systems. The topic of digitization and Industry 4.0 opens up completely new possibilities for increasing productivity, reducing the use of resources and improving quality. In addition, an increasing shortage of skilled workers can be addressed by more intelligent software.

**BRÜCKNER has invested, developed and implemented a lot in following areas in recent years:**

Intelligent assistance systems monitor the machine settings in the background and provide the machine oper-

ator with information on how to run the system even more productively and consuming less resources. Studies have shown that optimizing production parameters can increase production speed by up to 40% and/or reduce energy consumption by up to 30%.

**A** newly developed simulation tool helps to optimize existing recipes. The many machine parameters to be set have been reduced to the essentials and can in future be calculated automatically on the basis of the textile key data.

**F**or the service, there is a new maintenance tool that proactively gives the machine operator or maintenance department service instructions that can be tracked in a logbook. In future, a newly developed online service platform will support our customers with all service inquiries. The technicians communicate directly with the customer via video conferencing - partly with augmented reality. Documents such as circuit diagrams or maintenance manuals can be viewed and explained together and spare parts can be ordered directly. For regular maintenance

processes, photo or video illustrations can be stored in local language. Technically caused downtimes can be significantly reduced by these new systems. This increases system availability and thus productivity.

**T**he exchange of machine data with higher-level control station or ERP systems is easily possible with OPC-UA. This allows to rationalize processes in the textile factory and to monitor the quality.

In addition to these efforts in the field of automation, BRÜCKNER also demonstrates the great diversity of its experience and product portfolio. This diversity and consulting competence have been built up over many years of innovation.

Top-dyeing or finishing of both sides of the fabric is usually carried out with the BRÜCKNER padder. One-sided functionalization or dyeing is carried out with the minimum application unit.

Particularly, noteworthy is the

**Pakistan Textile Journal** congratulates Brückner on their 70 years of success through innovation and their contribution towards the Pakistani textile industry over the years.

**BRÜCKNER** has invested a lot in the denim sector and has also increased its personnel. The German market leader offers integrated finishing systems for pigment dyeing, synthetic resin finishing and coating: All components from the entry area, padder, IR pre-dryer, minimum application unit, coating unit, stenter, curing / hotflue, cooling, to the exit area are available from the market leader and systems supplier **BRÜCKNER**.

economical finishing with minimum application technology and another important component in the finishing of denim fabrics is the proven BRÜCKNER Sanfor line POWER-SHRINK. ♦



*Mr. Abbas Mooraj with Mr. Zaki Bashir and Ms. Regina Brückner.*

