

BRÜCKNER and the textile industry: 70 years of success through innovation

Interview: Verena Ruckh, Head of Advertising & Marketing Department, Brückner Trockentechnik GmbH & Co. KG.



BRÜCKNER is successful in the textile industry for many decades. What is your company's focus?

For 70 years, we have been the worldwide partner for all companies which are drying, coating and finishing web-shaped materials including clothing fabrics, nonwovens, carpet, glass or coatings - the variety of materials to be processed with our machines has never been limited.

Today, it is no longer just a question of machines, but rather of automation and control systems. What are your projects and achievements in this field?

Digitization and Industry 4.0 open up completely new possibilities to increase productivity, reduce the consumption of resources and improve quality. We have invested, developed and implemented a lot in this area in recent years:

- ❖ Intelligent assistance systems monitor the machine settings and provide the machine operator with information on how to run the system even more productively and consuming less resources.
- ❖ A newly developed simulation tool helps to optimize existing recipes.

- ❖ For the service, there is a new maintenance tool that proactively gives the machine operator or maintenance department service instructions. This helps to increase system availability and thus productivity.
- ❖ The exchange of machine data with higher-level control station or ERP systems is easily possible with OPC-UA and allows to rationalize processes in the textile factory and to monitor the quality.

Are there any other innovations you will show in Barcelona?

BRÜCKNER has a great diversity in its experience and product portfolio. This diversity and consulting competence have been built up over many years of innovation. We are proud to present on ITMA 2019 the results of our investments in the denim sector. We offer 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 BRÜCKNER.

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. The experts from BRÜCKNER answer any question and are happy to explain the advantages of the respective process-es.

Particularly noteworthy is the economical finishing with minimum application technology and another important component in the finishing of denim fabrics is the proven BRÜCKNER Sanfor line POWER-SHRINK, which will be presented at this trade fair. The specialists at ITMA will be happy to provide further information.

But BRÜCKNER can offer new concepts in the field of continuous dyeing. The continuously improved POWER-INFRATHERM IR pre-dryer has heating and cooling times of less than 5 seconds. The stripe-free drying burner segments made of special metal fibre and the large temperature control range ensure the consistent and reproducible high fabric quality.

Our POWER-COLORTHERM Hotflue ensures uniform drying of the fabric over the entire width of the chambers. Even with narrow fabric webs on a wider machine, the dyeing results are optimal.



Entry zone of the new VNE2 multi-layer stenter.

version there is absolutely no oil in the dryer interior.

What do you expect for your company from ITMA 2019 in Barcelona?

The ITMA is the highlight for us every four years. We are glad to meet new customers and to see our true customers again. We will exhibit many novelties and we are sure that our customers will benefit from our research and the innovations we made during the last years.

All our customers will benefit from our new production facility in the South of Germany, in Bavaria comprising 25,000 m² of production space and a spacious office wing. It allows us to meet and exceed the high expectations of our customers in the future.

The possibility of handling components with a height of up to 12 m and a width of up to 8.80 m is a great potential for the future.

We are in a position to provide our customers with even larger machines as before, and we will also be able to increase our delivery volume and significantly shorten delivery times. Our customers will benefit from the new modern CNC machine tools, the additional welding robots and the highly automated powder coating system.

We are looking forward to a great ITMA with many successful meetings and encounters with customers from all over the globe. ♦

Due to the symmetrical design and the inverter-controlled fans, the uniform air distribution through the upper and lower nozzles makes a volume adjustment via mechanical flaps superfluous. Optionally available are pa-tented, driven special spreading rollers for crease-free operation with sensitive fabrics (stripe satin / percale / weft-elastic fabric) as well as a highly effective, fully automatic roller cleaning system.

The BRÜCKNER specialists in Barcelona are also available to answer your questions in this area and will be pleased to advise you.

Are there any news in the field of stenters you will show in Barcelona?

BRÜCKNER has something new to offer in the field of multi-layer stenters which are mostly used where little space is available. They are suitable for finishing woven or dimensionally stable knitted fabric, nonwovens, needle felt, technical textiles or for the wool industry.

With our new BRÜCKNER POWER-FRAME VNE multi-layer stenter, only one machine operator is required, as the entry and the exit are on the same

machine side. This applies both to the version with two and with six fabric passages.

Thus, the new VNE machine concept offers the highest possible power density on a small floor space or a long air flow section in a very confined space. The dryer is equipped with BRÜCKNER's patented split-flow air circulation system and the alternating arrangement in each half compartment additionally ensures optimum and uniform air circulation and thermal treatment of the fabric.

Another advantage is the completely lubricant-free fabric transport chain of the multi-layer stenter, because in this

