



**OTTO-PRICKEN - machines, engineering,
experience & solutions**

TRADITIONAL

Founded in 1995, we are active in the fields of metal industry, textile machine construction, construction and production for special machine construction, laboratory equipment and spare parts production for Vald. Henriksen machines.

Since many years we are active with textile machines.

From the laboratory to the production machine, experienced engineers and technicians are at work and, in addition to innovations, also offer solutions that will satisfy you as a customer.

Flexibility in production, fast throughput times and high processing skills make us a reliable partner for the worldwide market. Our modern machines for the production of textile machines and spare parts guarantees the highest quality, exact processes and timely deliveries.

The experience in textile machine construction lays the foundation for a successful cooperation.

QUALITY AND ENVIROMENT MANAGEMENT

Achieving the highest quality standards for our products and services is one of our top corporate targets. Our ecological responsibility towards current and future generations are also important for us, especially when it comes to use natural resources.

In order to be able to supply our customers with high-quality machines in the future, our products and processes are subject to precisely defined process and test steps with the aim of a continuous improvement process. The improvement process is supported by various methods such as process optimization, advanced quality controls, quality and environmental management and internal audits, to name just a few.

MANUFACTURE AND GUARANTEE

All machines are manufactured in Germany and are subject to test-run before they are shipped.

In order to guarantee our high process quality, we subject all products, machines and processes to constant quality controls. These are carried out before, during and after the completion of each project and are carried out both visually and via inline quality assurance systems.

The focus is on the satisfaction of our customers. The zero-defect target is the basis of what we do. That is why we align our processes with the requirements and expectations of our customers.

By investing in the latest technologies and machines, we continuously improve our process stability and production times. This includes inline camera monitoring, 2D-controlled CNC measuring machines and material testing machines.

With the help of a coupling of the results of our measuring and testing machines in our CAQ system, our specialized employees also control an efficient, precise and at the same time capable and stable production of the components.

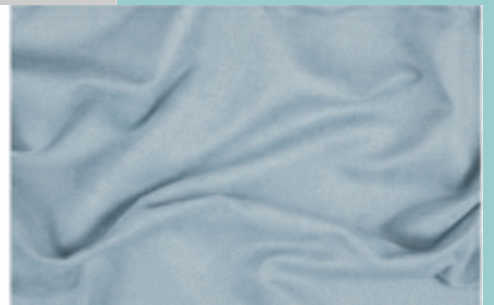
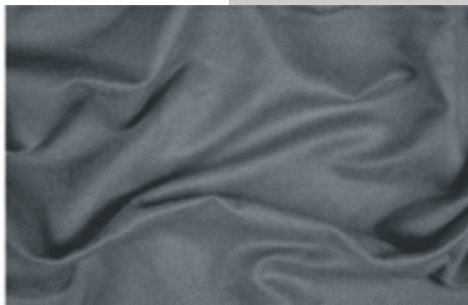
OUT TEAM – OUR PROFIT

Together with our employees we pursue a common target! To satisfy you!

The employees of Otto-Pricken Textilmaschinen GmbH & Co.KG are well trained for your requirements and represent the most important value in our company.

Let a strong team convince you!

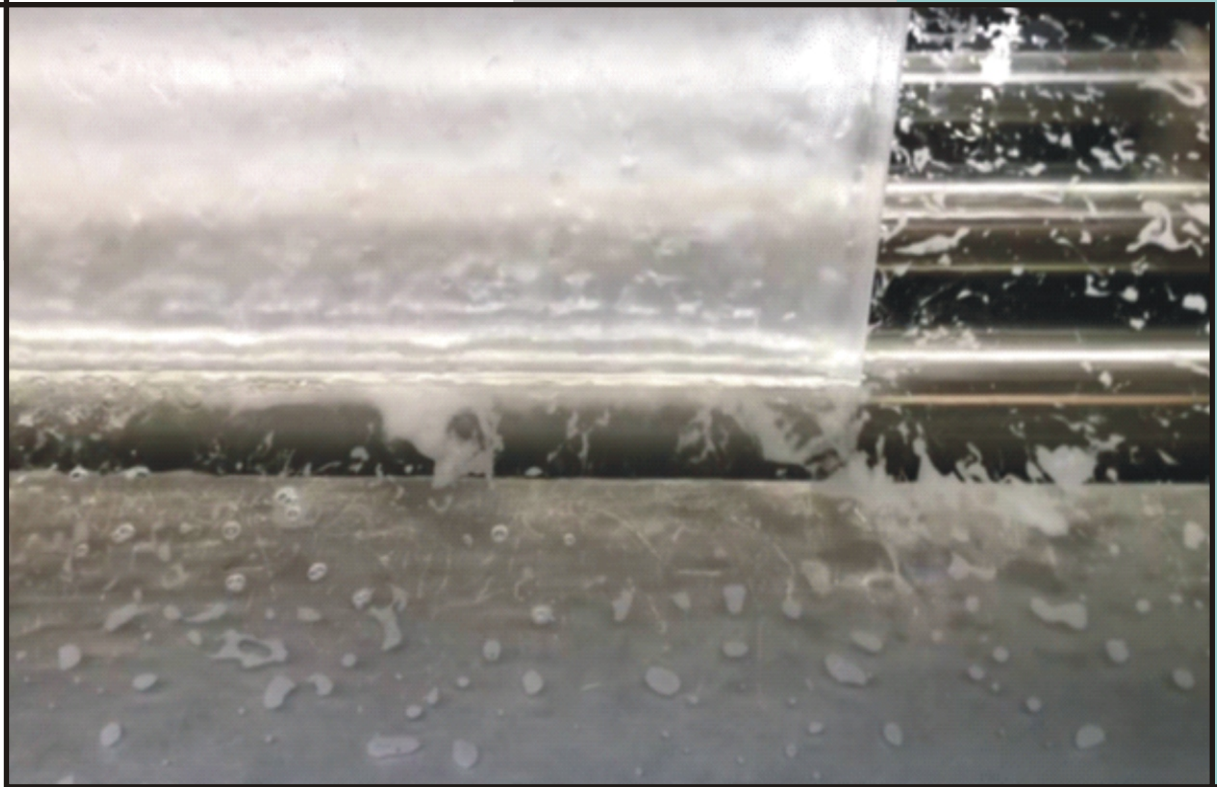
Our team consists of experienced engineers, technicians and specialists who are happy to support and advise you at any time.





The future of fabric dyeing is “CLEAN!”

*The new Jigger Drive and Process Technology
Made in Germany!*





DYEING - WASHING - BLEACHING - DESIZING - SCOURING

OTTO-PRICKEN - The Jigger Upgrade Package

We convert your Jigger to the latest drive and process technology.

The system works on the latest generation for the Jigger process and guarantees a constant fabric tension (0-150kg) and a constant fabric speed (0-180 m / min) for the best dyeing result.

Even very delicate goods of 20 g / m² or the heaviest cotton fabrics can be dyed without any problems.

Our Upgrade Package technology is useful for High Temperature Jigger and Atmospheric Jigger and course suitable for every Jigger brand.

The entire process is programmed and all functionalities are monitored.

In addition, the system always calculates the current consumption of water, steam, chemicals and electricity and ensures that energy costs are reduced.

The use of the Upgrade package simplifies machine construction, ensures production safety and reduced costs for repair and maintenance in production.

MAXIMUM JIGGER TECHNOLOGY FOR MINIMUM INVESTMENT!

Aspects, profit and efficiency

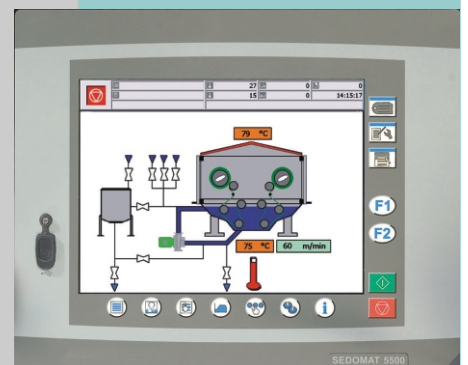
- Constant fabric tension and speed
- Maintenance free package
- Fully automatic process run
- Simple operation
- Calculation of energy consumption
- Best dyeing results
- Reduction of energy costs

Technology and unit equipment:

- Stainless steel cabinet
- Robust operation system
- Touch screen monitor
- Complete new mechanic parts
- Remote service
- New motor drive with incremental transducer technology



Control cabinet



Touch Screen Controller





DYEING - WASHING - BLEACHING - DESIZING - SCOURING

The maintenance-free unit offers optimal protection, security and monitors consumption.

The frequency-controlled motor drives with incremental transducer send in one second

more than 1000 data to the PLC. These data are calculated exactly, so that an exact shrinkage and stretching of the goods is measured, as well as the total length of a batch.

The tension and speed of the goods are kept constant according to the desired position. Tailing, listing and crease problems are a thing of the past. The entire process is carried out automatically, so that the machine operator only has to load and unload the machine.

The entire energy consumption of electricity, water, steam and chemicals per batch is recorded and calculated. Of course the operator can set the desired native language via control.

The entire data acquisition is saved and analyzed via a remote connection.

The package includes:

1x complete control cabinet made of stainless steel with converter and router

2x frequency controlled motors for the main rollers

1x frequency controlled motor for loading and unloading the goods

2x operator boxes

2x transmitter for level measurement tub and service tank

3x PT 100 sensors

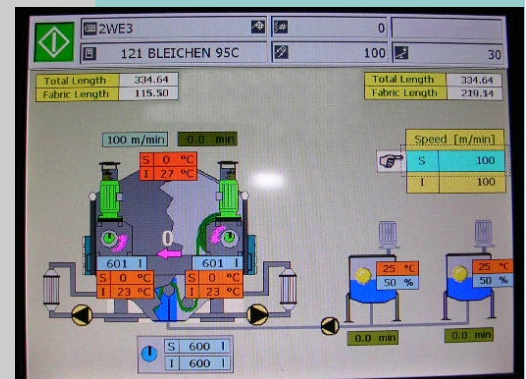
1x water meter counter

1x set for the mechanics with bearings and shaft.

- ➔ Contant tension and speed
- ➔ Sampling at same position
- ➔ Variable input of passages
- ➔ Exacatly calculation of the totally length
- ➔ Hold times of pendling between passages
- ➔ Precise recording of shrinking and stretching of fabric



Frequency motor drive



GREEN DRIVE A PROCESS TECHNOLOGY

Our green drive and process technology:

Energy efficiency - the model for Jigger:

In order for machines and controller to be able to perform their tasks in a more resource-conserving manner, they must be able to be controlled more easily and more effectively using the latest process and control technology. Lighter materials, more effective engines and optimized material flows are the keys to more sustainability. Significant increases in CO2 savings is our target and our investment.

By increasing the degree of efficiency in a way that conserves resources, GREENTECH concepts ensure that the burden on the environment does not increase in proportion to economic growth.

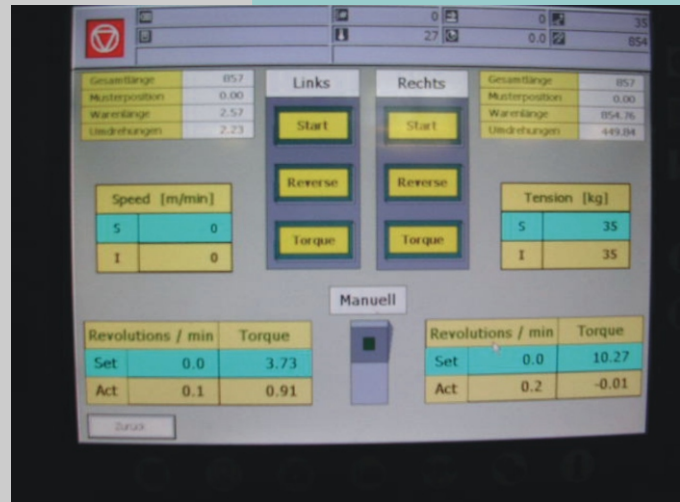
Our green drive and process technology:

The green drive and automation technology "GREENTECH" stands for modern electronic drive and process concepts. This means that the requirements for production and energy efficiency are treated equally

With our Energy Saving Motor Drive technology for Jigger, we drastically reduce power consumption through permanent torque measurement and energy recovery.

Permanent measurement and automatic control of steam, water, electricity and chemicals reduce consumption during a dyeing batch

- ➔ RIGHT-FIRST-TIME-DYEING
- ➔ REPRODUCIBILITY
- ➔ LOW CONSTANT TENSION
- ➔ AUTOMATIC PROCESS RUN
- ➔ CONSUMPTION CONTROL & DATA RECORDING
- ➔ MADE IN GERMANY



AUTOMATION AND DIGITALIZATION

Automated and digitized Jigger dye house:

A high and safe productivity is essential for a profitable dye house.

Safety, automated processes, handling and diagnostic capabilities of your machines play an important role. A high level of productivity is achieved with the use of modular and decentralized automation concepts.

Automated production and monitoring ensure error-free manufacturing processes. From process planning and monitoring to intelligent control and finally the evaluation of networking, digitization and automation of the entire company.

Together with our partners, we support automated and digitized processes in order to reduce sources of error



Data recording per batch

