



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 goal 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.

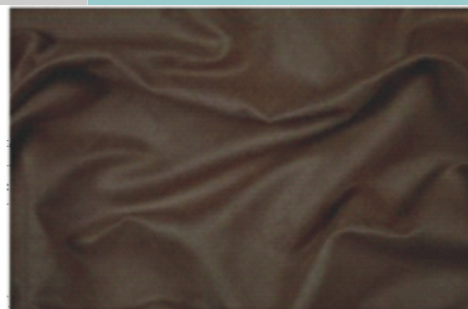
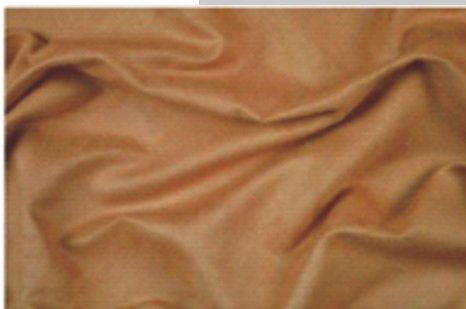
OUR TEAM – OUR PROFIT

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

The employees of Otto-Pricken Textilmaschinen GmbH & Co.KG are well trained for your needs 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.

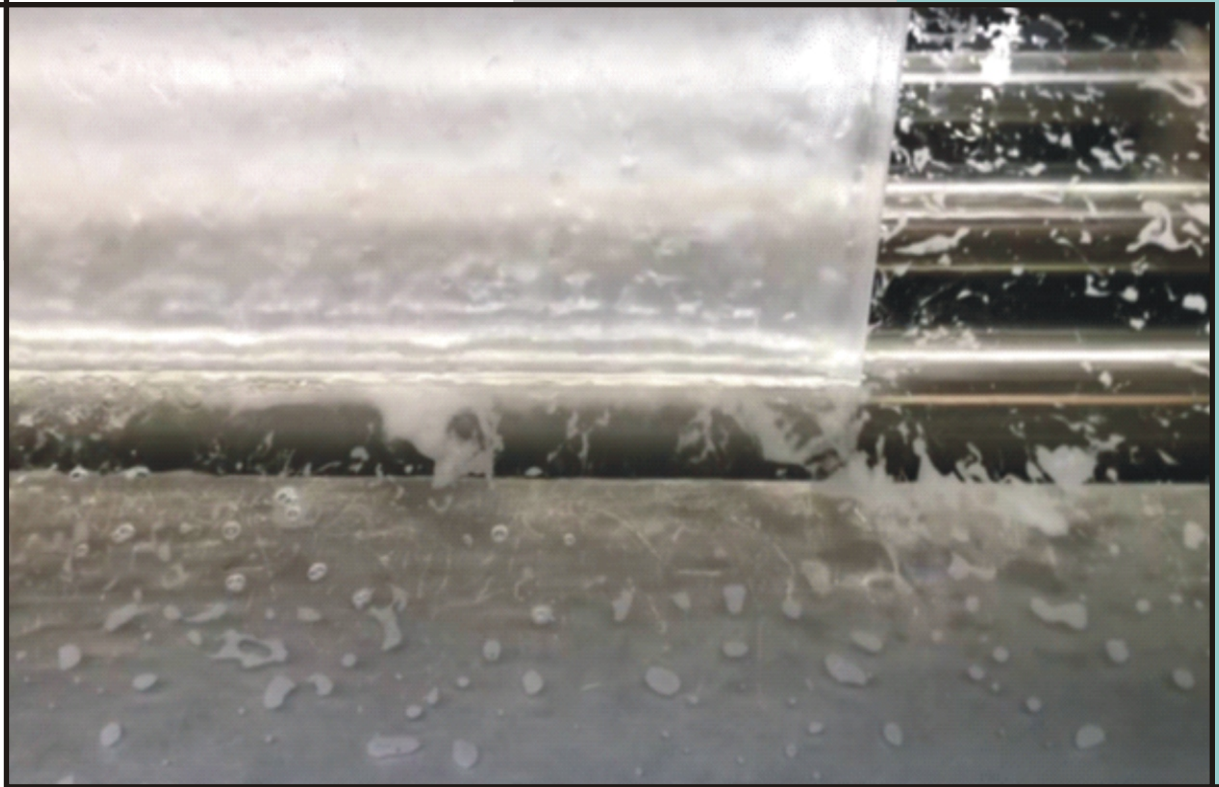




The future of fabric dyeing is "CLEAN!"

The new Jigger generation

Made in Germany!





DYEING - WASHING - BLEACHING - DESIZING - SCOURING

The singular construction of the dyeing trough, with the innovative expanders reduce the numbers of passages. That means it will save time and water consumption also.

More than this singular construction of the trough allows a very high level of flexibility for small batches and big batches in one machine and thereby you are able to react to demands instantly all.

Temperature, tension, speed, time, liquor level, dosing and a shortest liquor ratio (1:2) are the most important points in order to achieve the best dyeing result.

Fully controlled monitoring of the process offers optimum safety.

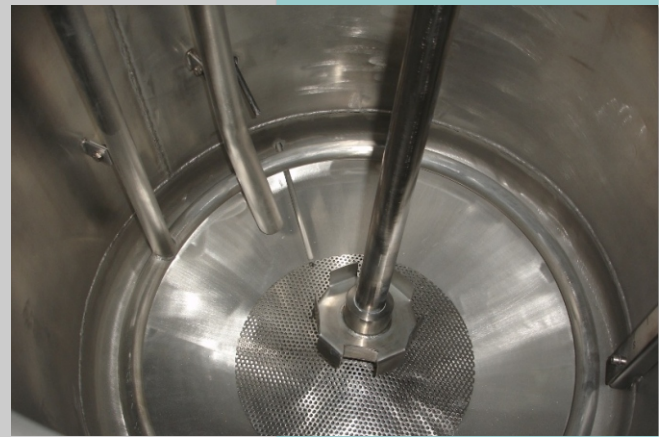
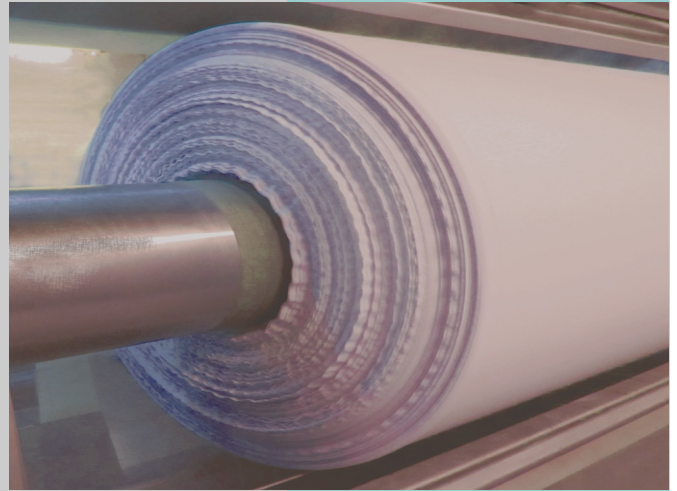
The **Otto-Pricken ROYAL Jigger** dyeing machine fulfills each of the points, is economical, user-friendly, environmentally friendly and:

MADE IN GERMANY!

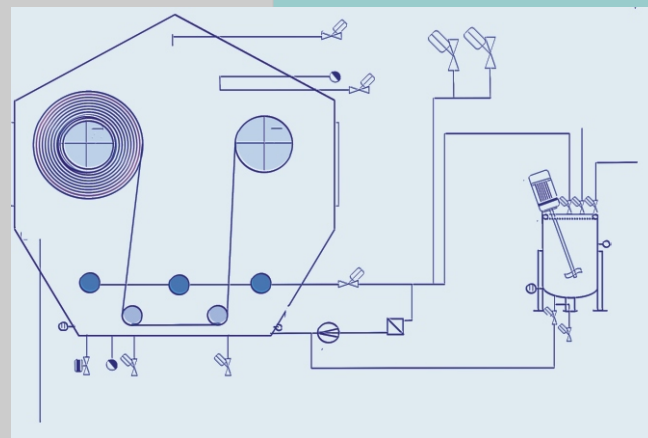
ROYAL- JIGGER the advantages:

- constant fabric speed (0-180m/min)
- constant fabric tension (0-150 kg)
- level control of the dyeing trough
- temperature control (bath and service tank)
- frequency motor drive
- controlled times of pending and numbers of passages
- controlled speed and tension for unloading of fabrics
- fully automatic process run
- automatic valve operation
- exactly dosing of chemicals and dye stuff
- simple to use for machine operator
- remote service and controls
- calculation of the exactly length of the batch in meter
- calculation of consumption of water, steam, electricity and chemicals
- guarantee of reproducibility
- guarantee of crease-free fabrics
- no wrinkle streaking
- no color difference shade - centre -shade
- no color difference at the beginning and end of the batch

- ➔ RIGHT-FIRST-TIME-DYEING
- ➔ REPRODUCIBILITY
- ➔ LOW CONSTANT TENSION
- ➔ AUTOMATIC PROCESS RUN
- ➔ FAVOURABLE LIQUOR-RATIO
- ➔ MADE IN GERMANY



Exactly dosing function





DYEING - WASHING - BLEACHING - DESIZING - SCOURING

ROYAL- Jigger standard equipment:

- two big glass door open/close automatic
- circulation pump
- debatching device for loading/ unloading
- dosing system
- service tank of 250 liter with mixer, heating, filling
- traversing of a main roller
- filter station
- touch screen monitor
- operator boxes
- overflow system
- automatic drainage
- emergency stop
- router for remote service
- stainless steel cabinet
- rinsing tubes
- heat exchanger (high speed heating of the bath)
- sensors for temperature and level
- alarm system

The fully automatic process control:

The touch screen control is integrated in the control cabinet and has an 8.4 "TFT display.

The process visualization in various windows and programming takes place in dialogue on the touchscreen and a keyboard attached to the side.

The operator language can be freely selected, so that the operation of the control is very easy for the operator. The internal program memory is dynamically adapted to allow programs of any length. Parallel processing and a multitasking operating system enable optimal use of time. Process data can be displayed on the screen while the dyeing cycle is running.

Consumption of electricity, water, steam and chemicals per batch is also calculated and saved.

The fabric speed and tension can be programmed. It is also possible to adjust the speed manually via the electric and tension operator buttons.

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



Frequency motor drive



Control cabinet



DYEING - WASHING - BLEACHING - DESIZING - SCOURING

The task was to construct a high temperature Jigger in a way that consumption demand is held as low as possible and to achieve high efficiency in production at the same time.

Even an economic Jigger dyeing machine for Polyester, Polyamide and mixed fabrics.

The **OTTO-PRICKEN ROYAL high temperature Jigger** is the result.

The ROYAL high temperature Jigger is dyeing by temperatures of 143° with constant fabric tension and constant speed.

The dyeing process is working absolutely crease-free, wrinkle-free and without color differences shade-centre-shade and at the beginning and end of a batch.

The **ROYAL high temperature Jigger** dyeing machine give you this guarantee.

The pressure vessel (maximum 3,5 bar) is open and close by electro-motor. The locking system is working automatic by sensors and with hydraulic station and ensures maximum safety, since pressure and temperature are constant controlled.

The **OTTO-PRICKEN ROYAL high temperature Jigger** is well thought-thought dyeing machine which employs the energy use rationally, supported by latest control software technology for processing and driving and as well the innovative construction of the machine.

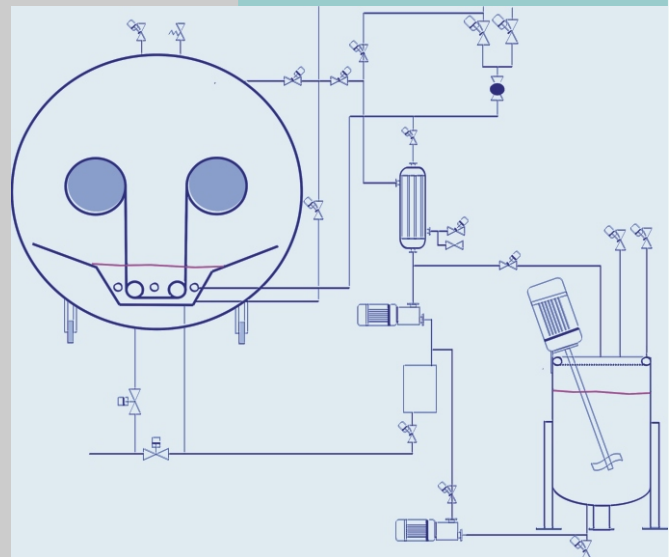
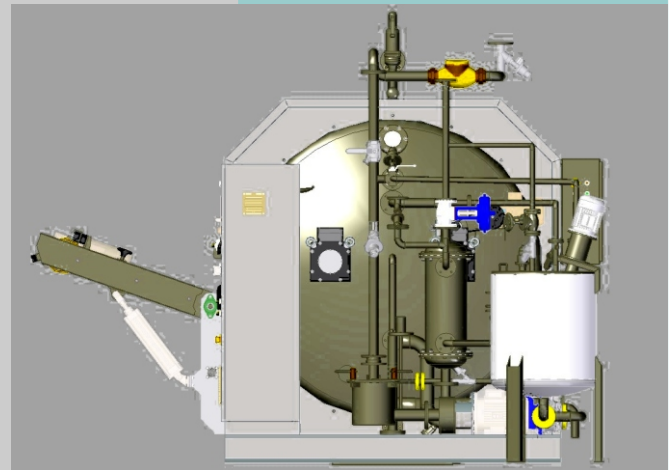
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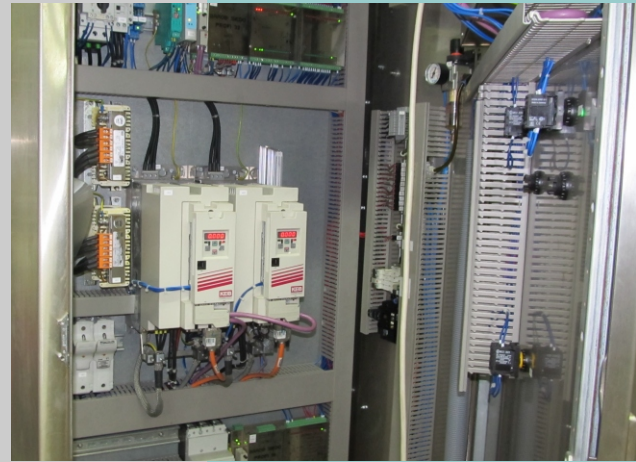
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- sensors for temperature and level
- alarm system

Atmospheric and high temperature Jigger available in:

Roller width: from 1600mm - to 4000mm
Batch diameter: 700mm - 1100mm - 1400mm



Cabinet inside with drive technology



Touch screen controller



Data recording per batch

