

## Preparation Machine for Tie Dye Effects (batik dyeing effects) · TPD – SR – W · applied for Patent



**TDP-SR**  
(single rope execution)  
and

**TDP-DR**  
(double rope execution)

- We produce the TDP – SR and also the DR machines in W and WUW version – W stands for only winding machine and WUW stands for winding and unwinding on the same machine.
- With our machine fabric in rope form will be tied together by 1–4 yarn ends.
- We can do S- or Z-windings but also S and Z at the same time (cross and criss-cross windings). Number of windings per meter, tension of the yarn ends, distance between the windings and also the winding angle can be adjusted due to frequency converters for each single drive.
- We do single rope machines and also double rope machines for higher production.
- We have machines for the winding process, we have machines for the unwinding process and we also produce combination machines that can do the winding and unwinding process.



Different windings – the dyeing effects are influenced by the tension used to wind the fabric, the distance between the windings and the number of yarn ends used to tie the rope

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- The winding process on our machines is very effective and the speed is 8-10 m/min so on a double rope system up to 1200 m/h can be prepared. The process can be programmed, so that for woven or knitted articles, lighter or more heavy articles, the important parameters can be set accordingly. We get very regular and reproducible effects.

With our machine the dyer can use his standard dyeing machine, only dyeing process, dyes and auxiliaries have to be chosen.

- Samples of woven and knitted fabrics:



## Technical Specifications

Dimensions:	l x w x h	3500 x 1000 x 2400 mm
Weight:		approx. 600 kg
Connections:	electricity -	220 / 380 V and 50 Hz, 5 kW
	Pneumatic air -	6 bar, connection G 1/2"
Speed:		up to 10 m/min for type TDM -S and 20 m/min for TDM -D

Machine is manufactured at Holthausen Maschinenbau exclusively for CLASSEN -TM, CE conform.