

BENNINGER

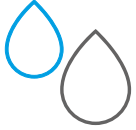


SynthMaster

For the most gentle treatment
of sensitive fabrics



Our commitment



Water footprint

Lowest water footprint in the industry, with lowest liquor ratios and a unique 100% in-built self-cleaning filter



Beninger plaiter

Internal plaiting device over the entire length of machine for best results



Factory Space

The design of the SynthMaster allows to fit more machines in the same area compared to others



Quality

Compression less, tension less and stretch less
Unrivalled colour levelness
RFT rate >99%



Smart Nozzle

Automatic setting of gap, guarantees the widest range of fabrics



The Essentials

Operator friendly

All operational elements such as reel, nozzle, chamber and plaiter can be viewed during operation. Loading can be done without loading tape.

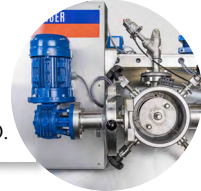


Smart Nozzle

Round shaped with automatic setting of gap guarantees widest range of fabrics. Nozzle diameters 100 and 125 DN.

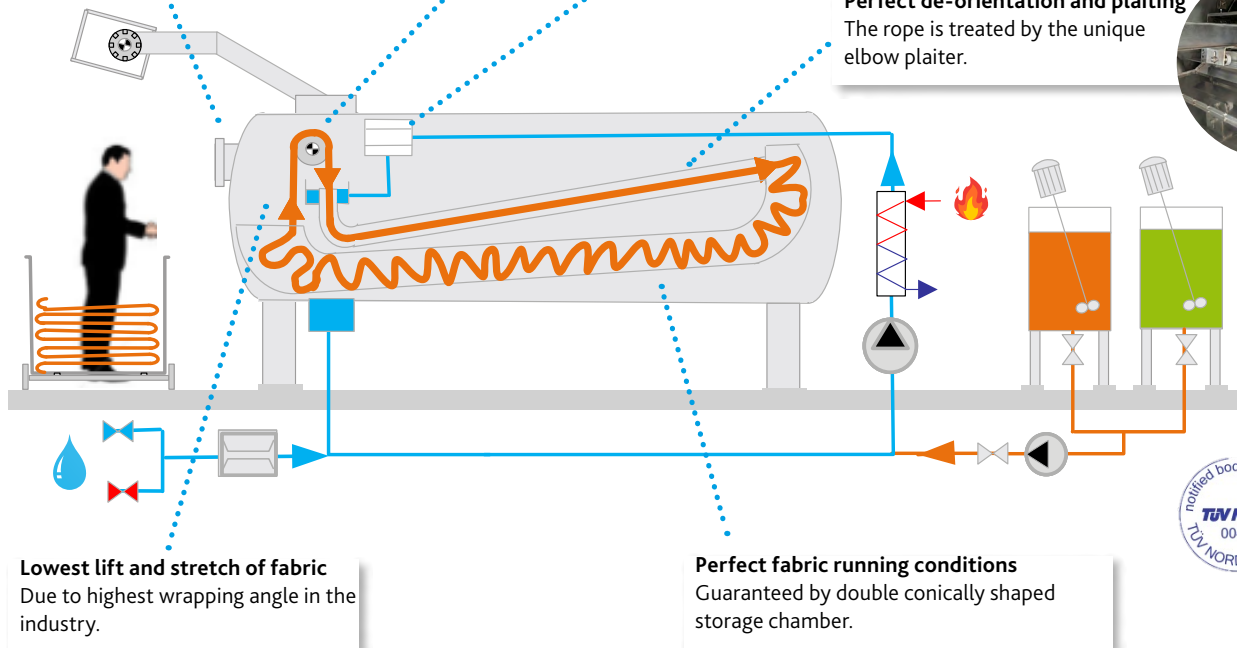
100% self-cleaning filter

Automatic, inbuilt, reducing H₂O.



Perfect de-orientation and plaiting

The rope is treated by the unique elbow plaiter.



Lowest lift and stretch of fabric

Due to highest wrapping angle in the industry.

Perfect fabric running conditions

Guaranteed by double conically shaped storage chamber.

Capacity	150 kg	1 Port
	300 kg	2 Ports
	450 kg	3 Ports
MOM	AISI 316 L (Liquor contact parts)	
Liquor ratio	1:6 Synthetics, 1:8 Cellulosic	
Dyeing Temp.	Up to 140 °C	
Application	<input checked="" type="checkbox"/> Knit <input checked="" type="checkbox"/> Woven	
Fibers	PES, PA, non heatsetted PES & PA, Microfibers, Wool, CV, Modal, Tencel and Lycra blends	
Controllers	Sedo Treepoint, Setex	
Nozzle Size	DN 100	
	DN 125	



Swiss Engineering ⁺ at its Best! The SynthMaster dyes fabrics without difficulty where others capitulate.

The SynthMaster will dye even non pre heatsetted fabrics like Polyester, Lycra, Lycra/ Cotton blends, Rayon, Nylon, Modal or delicate Woll fabrics.

The secret to dye compression less and stretch less is the Fabric-Master inspired adjustable Smart Nozzle and a unique plaiting system in the intensive zone.

BENEFITS

- 160+ years of wet processing mastery
- Proven dyeing and Swiss engineering precision
- Pan Indian support network
- Lowest liquor ratio
- Plug and play



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JM
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