

# Good reasons to buy SynthMaster



- **Compressionfree fabric transport:**

The SynthMaster can dye fabrics without difficulty where other machines have to capitulate. The machine has proven of being able to dye even non-preheat-setted woven goods made of polyester as well as Lycra blends of cotton, Rayon, Nylon and Modal fabrics in open-width form without any rope marks or edge curling. To dye the non-preheat-setted polyester fabrics free of creases, the fabric is displaced extremely gently in the chamber and glides to the front free of compression, tension or stress.



- **Economics:**

Extremely low energy consumption and unrivalled liquor ratio compared with other dyeing machines with long chambers.

- **Operator friendly:**

SynthMaster is easy for the operator to learn and understand due to its simplicity. All operational elements such as reel, nozzle, chamber and plaiter can be viewed during operation even under high temperature. Loading can be done without loading tape.



- **Low lift:**

Fabric lift from the chamber to the reel is less than half of the competitors' machines, which improves the fabric transport.

- **Premium quality:**

SynthMaster uses first quality components and is made in Switzerland and Germany, with polished surface finish.

- **Shipping:**

SynthMaster can be shipped in standard high-cube containers, lowering the shipping costs.

- **Service:**

The service is fast, professional and unbureaucratic.



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- **Layout:**

Although the autoclave is horizontal, it is not very long (approx. 4.3 m) allowing it to be arranged in combination with "round" machines.



- **Installation cost savings:**

The machine comes totally pre-assembled and pre-wired, reducing installation time down to two days.

- **Valves:**

Stainless steel modulating valves for heating and cooling.

- **Inverters:**

Inverter driven winch, unloading winch, plaiter and main pump.



- **Filter:**

100 % filtration with inbuilt self-cleaning filter.

- **Process control:**

Dosing of chemicals with pre-dilution. Exact gradient control with stainless steel control valve and electro-pneumatic positioner. Filling with programmable flow meter and analogue level controls.

- **Control functions:**

- Differential pressure control via pump inverter.
- Masterfill - the filling process keeping the liquor ratio constant.
- Masterdrain - draining with the main pump.
- Masterclean - fully automatic cleaning device.
- Two in one rinse - combined cooling and rinsing.
- Masterrinse - the most efficient rinsing process regarding water consumption and time.



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