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DESAX ENGINEERING

Textile Testing Instruments Textile Accessories
Tension Measuring Instruments

QC - 5 Laboratory Dyeing Jet

Compact Laboratory Dyeing machine with 2 jets

For the quality control of synthetic yarns (raw or texturised) .

Yarn sample in form of knitted houses for tensionless and careful **JET** dyeing under atmospheric conditions.

Advantages against conventional dyeing method's.

High Capacity: Dyeing of knitted houses with a length up to 60 m each, according the yarn fines. At least one full doff from of one texturing machine can be dyeid at once. As sample PES yarn 167fxx dtex 2 knitted houses each 24 m long.

Short Dyeing Time: One batch PES yarn dyeing, even distribution, cooling and washing within 2 ours.

Optimal Jet Pulsation provide the goods with an maximal pulls flow at the knitted tube.

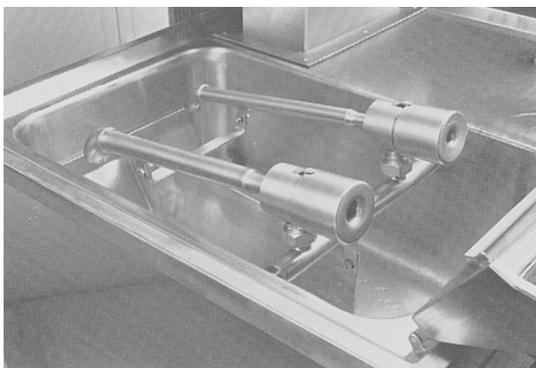
Best Colour Deviation on different goods preparation.

Fold Free Dyeing a quality indicator for soft dyeing method's.

Programmable Control



Perfect Finish in Stainless steel.



Easy to use and handling

Switch on the Circulation, let finding in the goods by suction, fix both ends of the tube together by hand stitch or simply make a knot.

QC - 5 Laboratory Dyeing Jet

Compact Laboratory Dyeing machine with 2 jets

Technical Data

- All parts in contact with the fabrics are made of stainless steel (V4A) 1.4435.
- Jet capacity: 2 jet tube each can be loaded with 750 grams of knitted houses.
Total 1500 grams knitted houses
- Bath volume 10 30 Litre
- Liquor ratio Standard 1 : 20
- Flow velocity: 50 - 120 m/min
- Fabrics velocity: 12 - 60 m/min
- Different Jet for different fabrics fines selectable Standard Ø 25mm
other available jet's Ø 20mm, Ø 32mm, Ø 40mm
- Heater: High capacity heat exchanger.
3 °C per minute Temp. increase,
max. Temp. 95°C
- Cooler: Water cooler for fast cooling.
- Controller, Programmer: DSM SPS programmable control
Memory for 9 dyeing programs.
RS 232, RS 485 or CAN connector to PC for external process view and programming.
- Power supply: 400 VAC, 50/60 Hz, 3 Phases, 9 KVA, app. 15 A
110 VAC, 60 Hz, 3 Phases, 9 KVA, app. 50 A
- Dimensions: 160 x 85 x 148 cm
- Net weight: 131 kg

Advantages against conventional dyeing methods.

1. **High Capacity:** Dyeing of knitted houses with a length up to 60 m each, according the yarn fines. At least one full doff of one texturing machine can be dyed at once. As sample PES yarn 167fx dtex 2 knitted houses each 24 m long.
2. **Short Dyeing Time:** One batch PES yarn dyeing, even distribution, cooling and washing within 2 ours.
3. **Optimal Jet Pulsation** provide the goods with an maximal pulls flow at the knitted tube.
4. **Best Colour Deviation** on different goods preparation.
5. **Fold Free Dyeing** a quality indicator for soft dyeing methods.

Speed regulation for fabrics by turning the jet.

Easy to use and handling.

Switch on the Circulation, let soak in the goods, fix both ends of the tube together by hand stitch or simply make a knot.

Adding the dyestuffs in fluid form according the formula, automatic soak in by the pump.