



DyeOx Micro



Lab-scale Supercritical CO₂ Beam Dyeing Machine

Specifications

- The lab-scale beam dye machine is a turn-key unit designed for CO₂ beam dyeing, with conditions and process identical to the DyeCoo DyeOx 4 machine
- Capable of handling 20-40+ grams of fabric (sample size of 350 x >500 mm)
- Operates under conditions of 250 bar and 35 - 120°C
- Allows for wide range of process condition to accommodate R&D
- Total dimensions: 800 x 1200 x 1400mm (excluding CO₂ bottle)

Design

- Simple and ergonomic operation
- Equipped with Setex PLC control system
- Automated process
- Active CO₂ circulation with textile beam, equal to the DyeOx 4 machine
- Dyes are introduced using a cartridge system
- Pressure design according to the ASME standards, fail safe design
- Option for adding extra dyeing vessels to the same base unit (modular)

Utilities

- 220V power supply
- Commercial liquid CO₂ bottles
- CO₂ discharge port

Note: This information leaflet provides an overview of the lab-scale Supercritical CO₂ beam dyeing machine.
For detailed technical specifications and further inquiries, please contact our sales team.