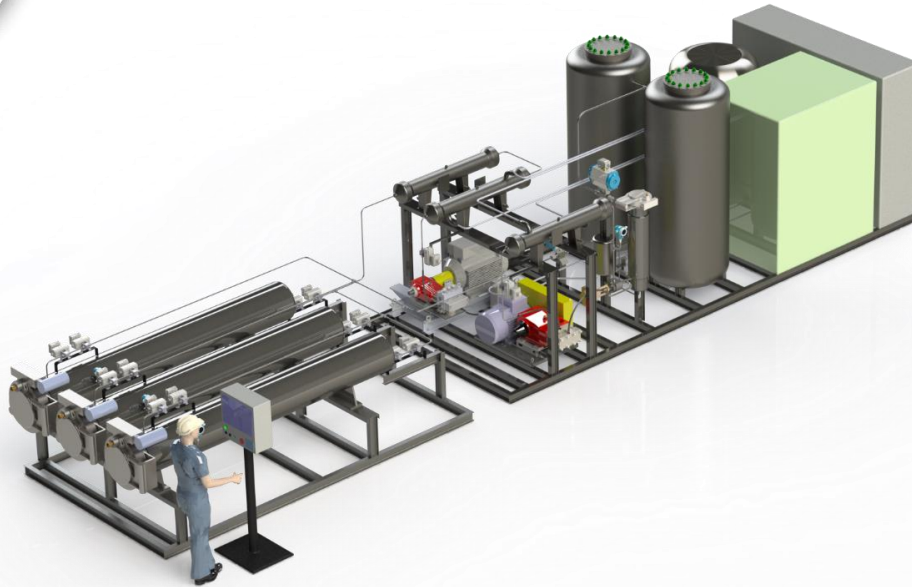


# DyeOx Mini



## Sample size Supercritical CO<sub>2</sub> Beam Dyeing Machine

### Specifications

- A downsized version of the industrial DyeOx 4, specifically designed for sampling and small production batches
- Utilizes the same dyeing process as the DyeOx 4 production machine
- Three independent dyeing vessels with a shared recovery and supply system, equal to the DyeOx 4
- Operates under conditions of 250 bar and 35 - 120°C
- Allows for wide range of process condition to accommodate R&D
- More than 95% CO<sub>2</sub> reclaim per batch
- External dimensions: 10.50 x 2.25 x 2.60 meters
- Fully compatible with the production routing in existing and new customer setups
- Suitable for small-scale dyeing capacity projects (< 1 ton/day) with a batch load of 20 kg fabric or 6 yarn bobbins per batch

### Design

- Fabric insertion using mini beam dyeing technology (with a maximum width of 2 meters)
- Dyes are introduced using a cartridge system
- Active CO<sub>2</sub> circulation with textile beam, equal to the DyeOx 4 machine
- Equipped with Setex PLC control system, fully automated process
- Pressure design according to ASME standards, fail safe design
- Option for adding extra dyeing vessels to the same base unit (modular)

### Utilities

- Three phase power supply 400V
- CO<sub>2</sub> supply from cryogenic storage
- CO<sub>2</sub> discharge port

Note: This information leaflet provides an overview of the sample-scale supercritical CO<sub>2</sub> beam dyeing machine.  
For detailed technical specifications and further inquiries, please contact our sales team.