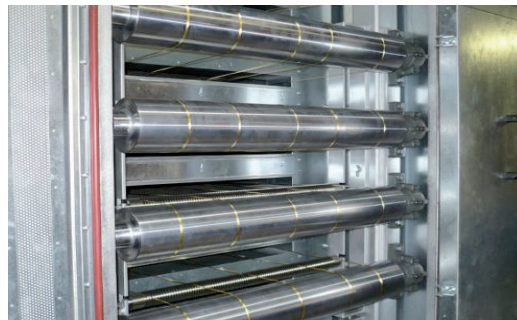


MES systems[®] Filament Yarn Drying Systems

Mehler Engineering + Service GmbH has put two filament yarn drying systems into service in the summer of 2011, which have been specially developed to customer specifications for the drying process of functionalized filament yarn.

These drying systems are designed for the application of solvents and they operate safely and efficiently with an indirect gas heating system.

A high level of compactness was achieved with nine passages in the dryer chamber. Sliding doors have been installed in the filament entry and exit areas to be able to access the inner deflection rollers and set up the drying system quickly and effectively.



Technical Data

Number of filaments:	80
Number of passages:	9
Evaporation capacity:	150 kW
Medium:	Solvents, water
Temperature:	100 - 250° C
Air circulation:	Frequency-controlled
Exhaust airflow:	Frequency-controlled
Overall dimensions:	5060 mm x 3400 mm x 2650 mm

Characteristics

- Explosion protected design
- Horizontal threadline
- Vertical, lateral airflow with air nozzles
- High air circulation rates for effective drying
- Smooth-running high-temperature bearings with dry lube / maintenance-free
- Control system with touch panel and 5 graphic displays for intuitive navigation
- Safety-focused control system: performance level "d"