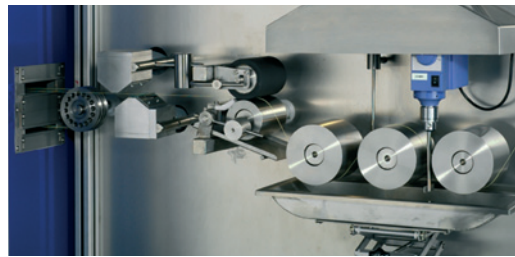


## Laboratory System for Thread and Yarn Treatment

In autumn 2003 Mehler Engineering + Service GmbH designed and executed a laboratory system for thread and yarn treatment having a compactness never before realised. The architecture is modular, expandable and makes it possible to optimise the process parameters of modern production systems or to develop new thread products.



### Technical Features

- Products: Single cord, ply yarns, yarns, synthetic threads
- Speeds in the range of 0.2 to 15 m/min
- 4 separate thread tensioning zones
- 6 thread tension measurement sensors
- 3 dip application stations with knife and extraction
- 2 temperature-regulated drying lines
- 2 temperature controlled polymerisation lines
- Visual control system with data documentation

### Advantages

- complete thread treatment in one operation
- variable thread delivery for different process stages
- compact dimensions make it possible to produce short pilot samples
- Selectable control of tension or synchronised drawing
- Easiest operation using intuitive menu navigation of the visual control system
- Test evaluation of the documented process factors; also graphically in overview
- Extensive diagnostic possibilities
- modern, low-maintenance engineering