



"Innovative Fibre Solutions"

Technology and process knowhow for synthetic absorbable polymers for applications in sutures and other medical devices.

FET has a long tradition in the biomedical sector, particularly in suture and medical device production. We have built strong relationships with several multinational companies over many years, designing and supplying a wide range of equipment, ancillaries and turnkey solutions for biomedical applications.

1. TURNKEY PROJECTS FOR SUTURE MANUFACTURING

FET offers technology, process knowhow and selection of hardware for turnkey projects, which may be applied to PGA braid production for sutures:

- Guarantee suture manufacturing to USP or EP standards
- From third party supply polymer through to coated, braided suture material
- Selection of all raw materials; polymer, coating materials, lubricants, pigments etc
- Specification and supply of all necessary hardware (extrusion, braiding, coating etc)
- Supply of all ancillary equipment (calibration equipment, dry storage, polymer handling etc)
- Quality control and process documentation
- Commissioning, training and after sales technical support







2. FET AND RESORBABLE POLYMER TECHNOLOGY

FET has successfully developed market leading technology and knowhow to process resorbable polymers. This knowledge is now available to our established and new customers:

- We can provide extrusion technology and equipment for processing resorbable polymers
- We have extensive knowledge of all types of resorbable polymers
- We can supply turnkey projects including all downstream processing equipment, braiding, coating etc
- We can guarantee production of braided suture materials and monofilament suture for materials to meet the requirements of United States Pharmacopoeia (USP) and the European Pharmacopoeia (EP)
- We are supplying world leading 'Medical Device' Companies with this technology



3. MELT SPINNING OF SYNTHETIC ABSORBABLE MATERIALS

FET has developed unique knowhow and process technology for the production of Multifilaments, Monofilaments and Fibres from synthetic absorbable polymers:

- Used in the manufacture of surgical sutures and other medical devices
- Biomedical yarns from synthetic absorbable polymers is a key product area for FET
- Customers benefit from existing research and development work using biomedical polymers
- Real time experience of running these materials in production
- In depth knowledge about process conditions
- Technical collaboration with synthetic absorbable polymer suppliers





4. OVERVIEW

FET specialises in state of the art know-how, process technology and equipment for the production of synthetic technical textile products:

- Development of technical yarn production solutions
- Expertise and know-how in all aspects of equipment design
- Build of high quality equipment and turnkey plant
- A broad knowledge and application of process technology
- Help, advice and a comprehensive after sales services

Our in-house Fibre Development Centre is at the disposal of customers in this field for all aspects of testing and evaluation. The company operates globally and has reference installations with many leading producers, which we can supply on request.



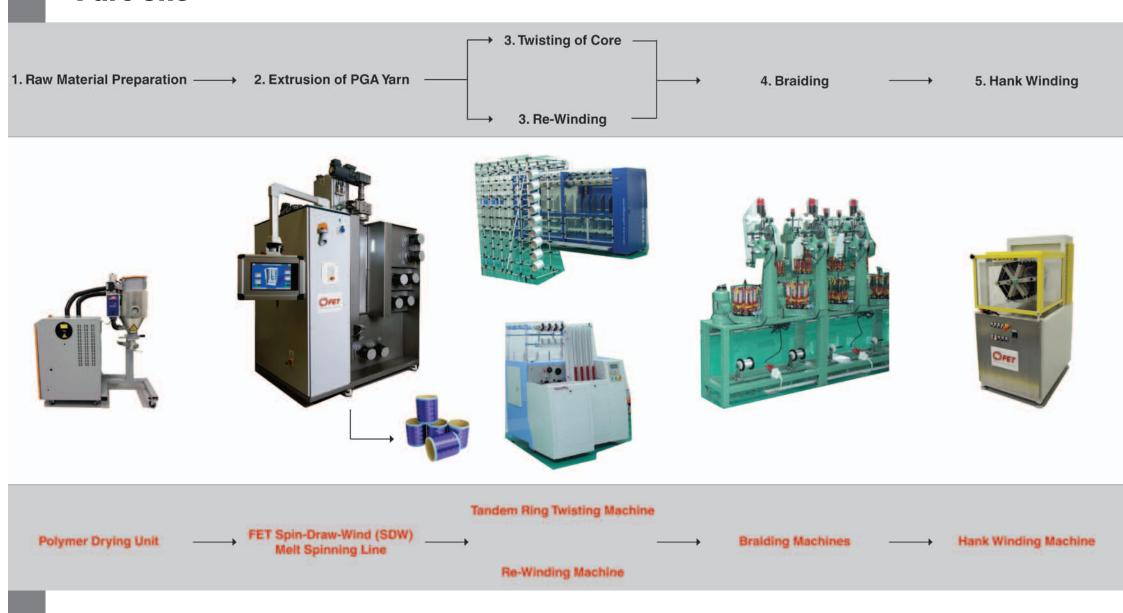






5. YOUR PARTNERSHIP WITH FET

Part one



5. YOUR PARTNERSHIP WITH FET

Part two

6. Braid Annealing

7. Braid Cleaning

9. Packing & Dry Storage

10. Final Product







8. Coating





Vacuum Annealing Unit

Dry Scouring Unit

→ 4 End Coating Unit

→ Vacuum Packing Machine -

Braided Coated Suture Material

6. MELT SPINNING SYSTEMS





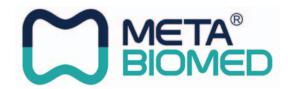


7. FET CUSTOMERS















APPENDIX

Typical Manufacturing Process Absorbable Synthetic Filaments

