

# OUR COMPANY



VB-SET is a company specialised in the design, construction, installation and start-up of extrusion spinning machines for the production of continuous filament synthetic yarn.

With more than 20 years of experience and equipment installed worldwide, we supply to our Customers complete plant and/or equipment to respond to their needs of production and development of special yarns for textile and industrial application.

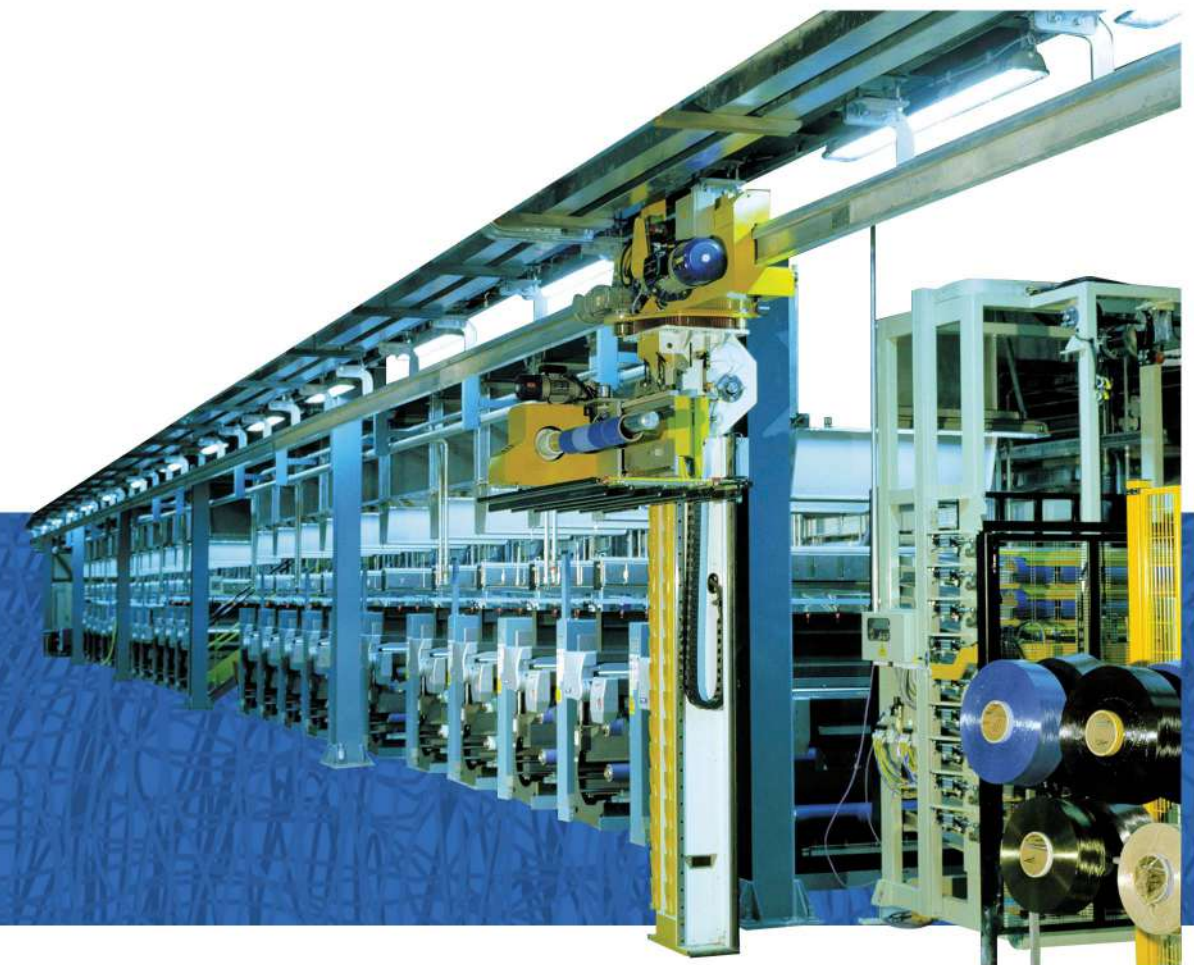
Our machines are designed to produce yarn of the highest quality standard thanks to the accuracy in the spinning parameters control.

Their sturdy and durable construction are essential to operate 24 hours a day, every day of the year.

Year after year. Successfully.

# VBSET

**PET-PA POY-FOY-FDY  
PARALLEL SPINNING  
TECHNOLOGY**



*We care*  
**about man-made fibers**



VB Soluzioni & Tecnologie Srl (VB-SET)  
Via Tevere 1 - 20020 Vanzaghello (MI) - ITALY  
Ph: +39-0331-307143 / Fax: +39-0331-307999  
Email: [info@vb-set.com](mailto:info@vb-set.com) / Website: [www.vb-set.com](http://www.vb-set.com)



Complete plant and equipment suitable to produce

## POY-FOY-FDY FOR PET AND PA

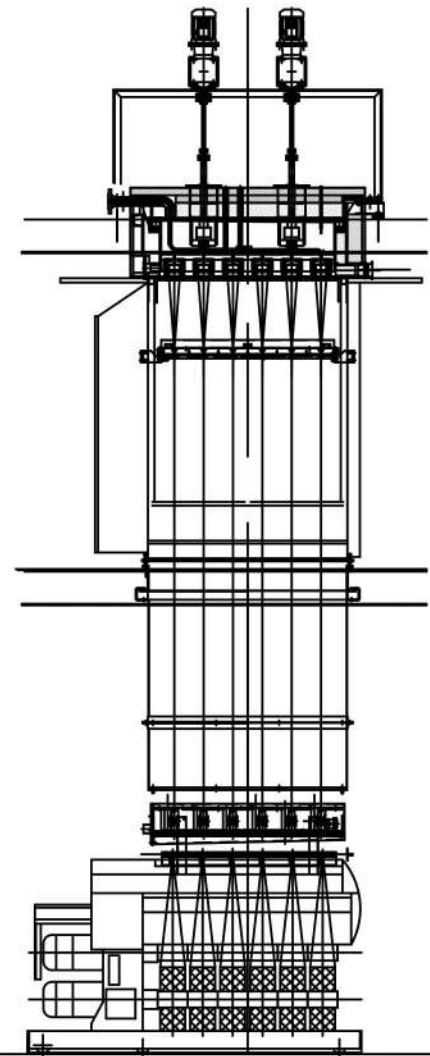
### What is parallel spinning?

Parallel spinning is a process where each yarn moves straight from spinneret to winder without deviations. It means all the yarns have equal path without turning, thus eliminating all frictions on yarn guides.

Spinning plant design from 1 to 16 spinning positions per extruder Spinning all types of extrudable polymers (PBT, PTT, Co-PET, etc.)

Range of Denier 30 ÷ 600 final Standard and micro yarn (from 0,5 to 4 dpf) Supermicro yarn

All filament cross sections (Round, Trilobal, Octolobal, etc) Dope dyed yarn capability with VB-MAST technology Capability for bi-color, bi-shrinkage, bi-component yarn



Our POY-FDY spinning systems are based on **PARALLEL SPINNING**

*Concept*

#### Optimized yarn path

Parallel spinning allows a perfect straight yarn path from the spinneret to the winder. Angles on the thread-guides are eliminated for the optimum yarn path, therefore the yarn frictions on the guides are minimized, reducing yarn tensions during process.

#### Linear compact design

Parallel spinning means that the winder is parallel to the spinneret line. In this way, each spinning position can be designed from 4 to 32 ends with the same yarn path, without changing the height of the machine. This makes parallel spinning the most compact design available.

#### Production flexibility

Flexible design has been implemented to spin in the same machine POY, HOY and FDY yarn

#### Modular concept

Each spinning position is a spinning module. In the machine design several module can be combined under the same extruder to match the required capacity. Smallest spinning machine is composed by a single module only.

#### Easy string up

The parallel spinning allows a very easy access of the operator to the side of the winder for string up and process check. Even on FDY the machine design allows to one operator to make the complete string up.

#### Easy and fast assembling on site

Parallel spinning design allows a complete pre-assembling and testing of all parts in our factory before shipment to assure a machine working faultless within few weeks from the delivery.

