

A close-up photograph of industrial machinery for fiber extrusion. A vertical stainless steel extruder is the central focus, with a white fiber being spun from its tip. The extruder is mounted on a complex base of metal components, including a large electric motor with a cooling fan and various control units. The background is blurred, showing more of the industrial environment. A red banner is overlaid on the right side of the image, containing the company name and product description.

SATTRI

Fiber Extrusion Technology

Fiber Meltspinning
Laboratory Lines



Sattri was founded in 1998 with the ambition to design a successful laboratory line with unseen quality, the highest standards and assisting our clients with productively delivering high worth materials.

This foundation has given SATTRI a sound base for progress and development over this period. Our continuous key target is for controlled development year on year, stretching out our range of products in light of client interest.

With 30 years of established knowledge and skill into configuration, process technology, custom designed gadgets, fabricating and polymers.

Adaptability is a key strenght, with bespoke and standard establishments.

We are based in Belgium since 2020, equipped to ship worldwide and work with assorted societies.



Our clients also reveal to us, significantly more than simply a provider, they need the collaboration of a reliable business to succeed, one with complete insight, ability and a demonstrated history.

Therefor our laboratory lines are designed and build to be stand-alone units, with a plug and play concept. With both before and after sales consultation.



So what can we offer you?

Machines, completely build and tested at our locations.

Plug and play concept, connection of utilities needed only before start-up.

Vast sets of processing parameters already programmed for all processes and polymers. Industrial rugged components designed for 24/24 and 7/7 application.

Easy shipment due to fit into standard container size with no need of dismanteling.

Economical and flexible system by applying only the units needed:

- With or without the DIVIDO Premo (extrusion-spinning) unit.
- Possibility of adding extra units later on.

DIVIDO Concept

Extruder

- High quality steel with gas nitriding, quenching and tempering.
- Dynamic mixing head standard.
- Ceramic heaters or optionally HF induction heating.
- Fast change of screw at gear side, no dismanteling needed.
- Rigid gear system with AC motors.
- Specially mounted thrust ball bearing for easy maintenance



Melt Pipe

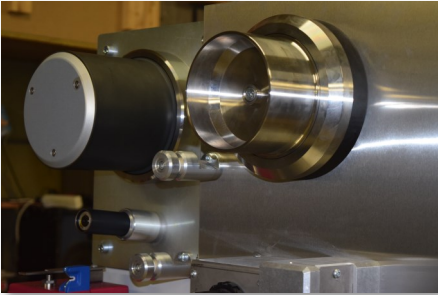
- Sattri proprietary electrical heating technology.
- Stainless steel melt pipe.
- Build to respect dwell time and mixing performance.

Spin beam & Spin pack

- Electrical heated.
- Standard 140, round design with bayonet coupling.
- Easy replacable in minutes by only one operator.
- Any type and form of capillaries available. Adaption rings for allocation of other type of spinpacks



DIVIDO Concept

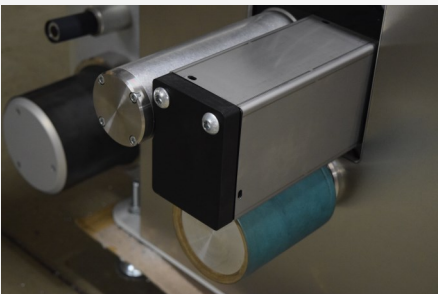
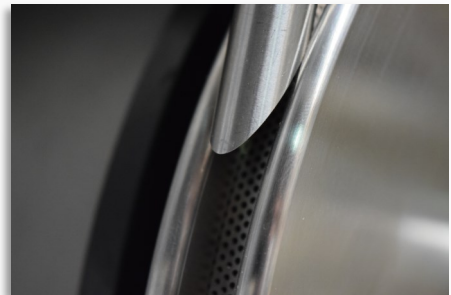


Godets

- Completely designed and build by SATTRI.
- PMS Synchronous motor design.
- HF Ferrite Core induction heating system.
- Stainless steel shelve.
- Rotating temperature sensors.
- Wireless signal transmitter.
- Chrome or plasma coated.

Texturisers

- Manual & split jet systems.
- 300 to 5000dTx yarn capacity.
- Up to 250°C heating capability.
- Automatic thread up systems.

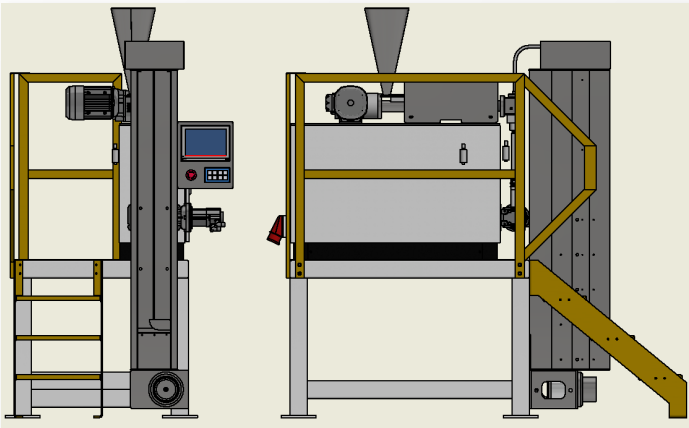


Winders

- Manual single yarn winders.
- WD10 up to 1000m/min.
- WD32 up to 3200m/min.
- Friction driven.
- Travers cam yarn guiding.

DIVIDO PREMO

Stand-alone unit for Extrusion-Spinning.
Power Supply 400VAC 3Ph 32A.
Air-pressure 7 bar 0.3m³/min.
Chilled water supply (8-12°C) 15lt./min.



Extruder	25 mm
Output PP	5.5kg/hr
Output PET	7.5/hr
Spinning Pump	3cc/rev
Polymers	PP,PET,PA6,PB T,PTT,PLA,PE

DIVIDO Take-up Units

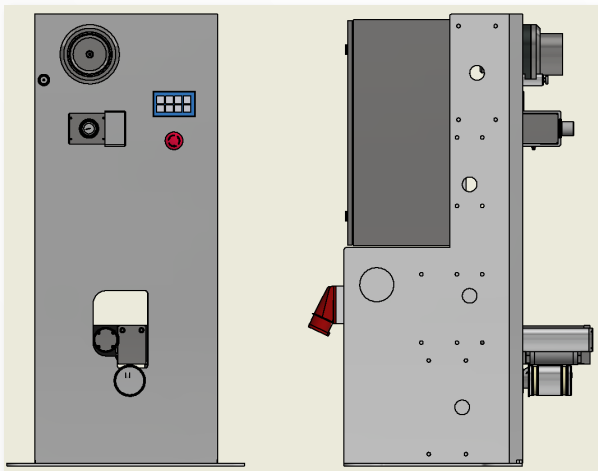
Divido POY

Stand-alone unit for POY production.

Power supply 230VAC 1Ph 20A

Air-pressure 6 Bar 0.3³/min.

Denier range	50-500
Denier per Filament	1-7
Speed	850-3200
Filaments	16-180



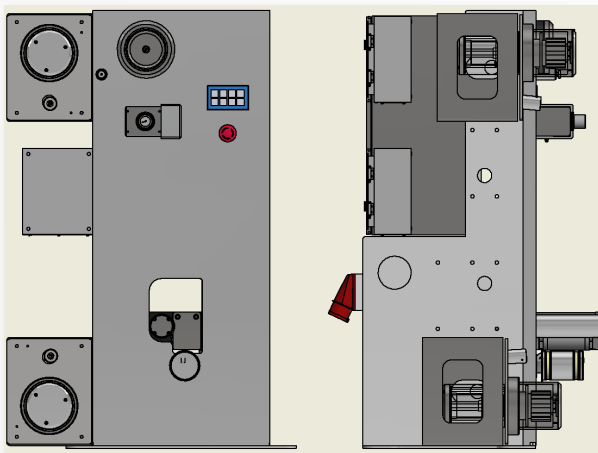
Divido POY-FDY

Stand-alone unit for POY-FDY production.

Power supply 400VAC 3Ph 20A.

Air-pressure 7 Bar 1.0³/min.

Denier range	50-1100
Denier per Filament	1-7
Speed	850-3200
Filaments	16-180



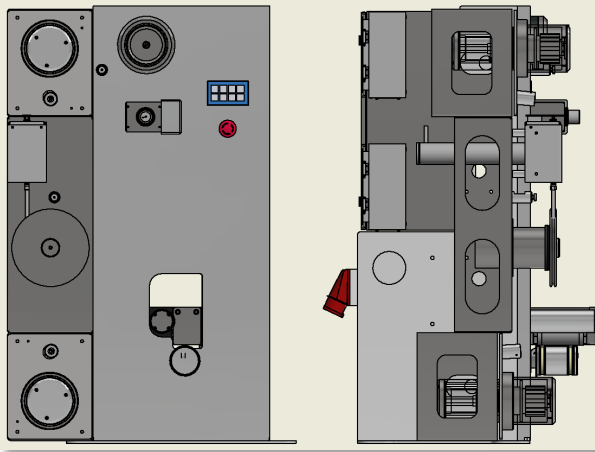
DIVIDO Take-up Units

Divido BCF

Stand-alone unit for BCF production.

Power supply 400VAC 3Ph 25A.

Air-pressure 7 Bar 2.1³/min.



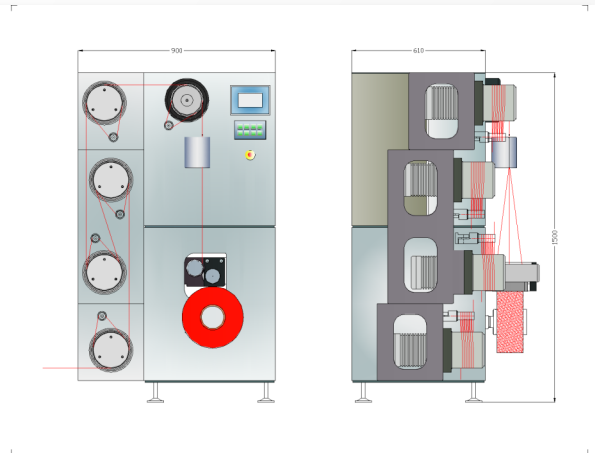
Denier range	650-3000
Denier per Filament	7-25
Speed	200-1100
Filaments	40-180

Divido HT

Stand-alone unit for HT production.

Power supply 400VAC 3Ph 25A.

Air-pressure 7 Bar 1.2³/min.



Denier range	100-1100
Denier per Filament	1-10
Speed	300-3200
Filaments	Low-High Speed



SATTRI

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