

Extrusion lines for
monofilaments, strapping tapes & raffia



SPINNINGPLANT

 CIRCULAR
PACKAGING

AGRIPAK
Plastic Processing Machinery

ONE EXTRUSION LINE: MANY FIELDS OF APPLICATION

MAIN CHARACTERISTICS OF MONOFILAMENTS,
STRAPPING TAPES & RAFFIA which determine
the diffusion of these materials in dozens fields
of applications:

- High compression strength.
- High tensile strength.
- High elasticity module.
- Homogeneous dispersion.
- High durability.
- Acid & alkali resistance.
- High cracking reduction.
- Permeability reduction.
- Not affected by rust.
- Concrete & steel savings.
- No wear of metal parts.
- Shotcrete high workability.



EXAMPLES OF APPLICATIONS



AGRIPAK know-how in the spinning-field proudly dates back to the early 1960s.

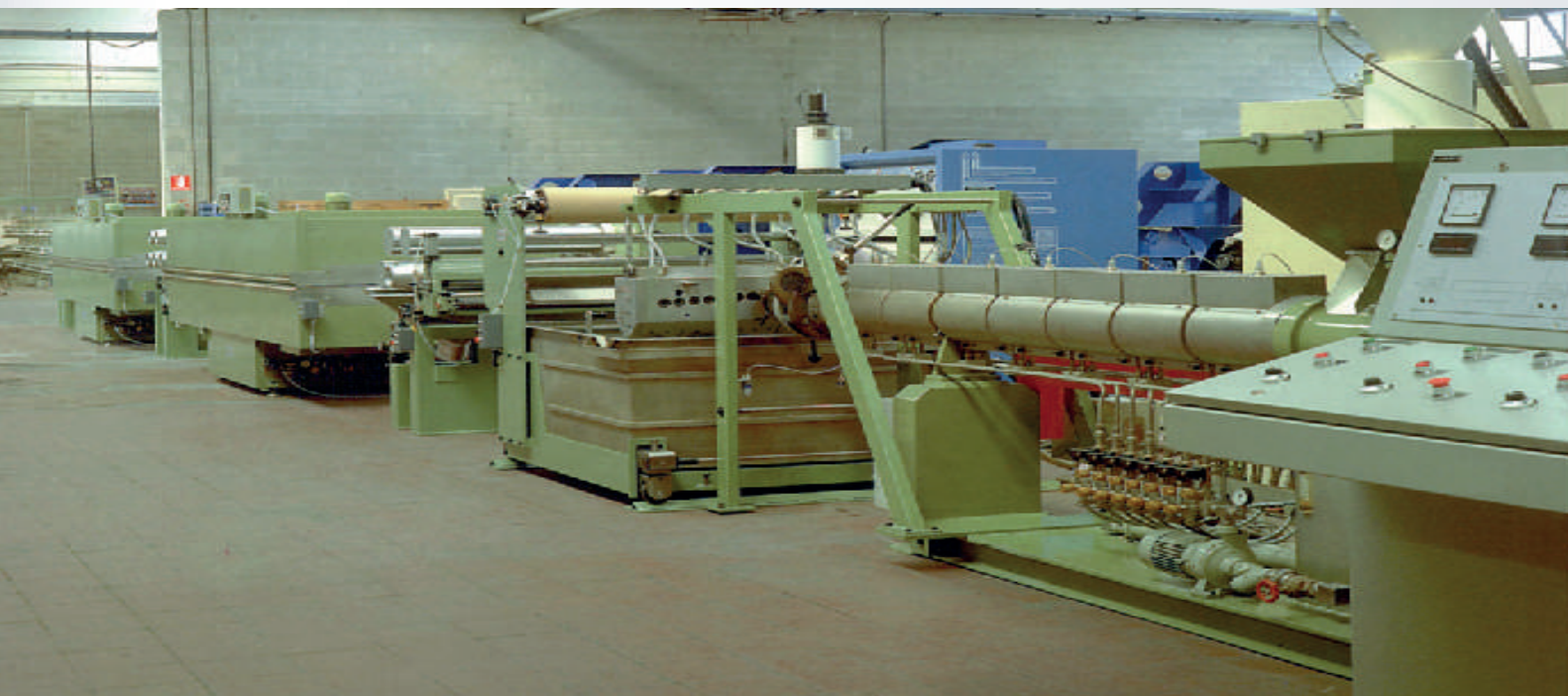
At that time the Covema Co. team was involved in the development of a new technology for both the PP-Monofilament and the Rafia-tape : its innovative spinning line was proudly shown in June 1962 as the first in the world. The big development acquired then by the Polyolefin Rafias and by the Technopolymer Monofilaments in the:

- textile
- rope
- twine fields

is nowadays well-known by everybody.



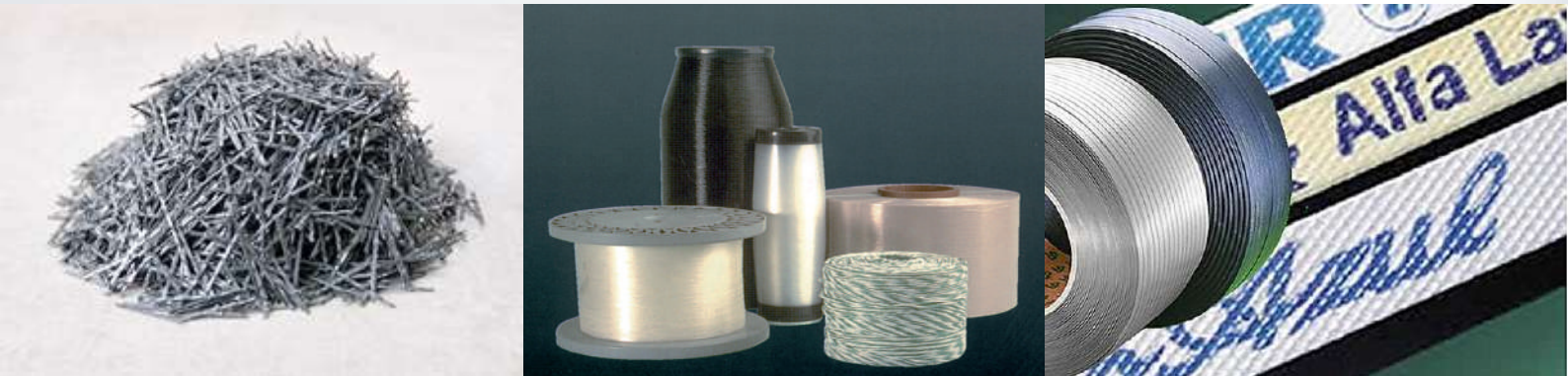
Thanks to this intuition and mainly to our dynamism and tenacity, to our continuously updated technical preparation and to our constant cooperation with our customers and the main raw material producers, our Group boasts nowadays about its presence in as much as 52 States with more than 400 lines, underlining once more the efficiency, the quality and the long technical life of its equipment.



Our SPINNINGPLANT extrusion lines can be divided into 4 main equipment families:

- WOVENTAPE equipment for the extrusion of Textile Raffia in **PP** or **HDPE**.
- POLYTWINE equipment for the extrusion of Raffia for ropes and twines in **PP** or **HDPE**.
- MOFIL equipment for the extrusion of Monofilaments in **PP, PE, PA, PET**.
- PLASTICSTRAP equipment for the extrusion of Strapping Tapes in **PP** or **PET**.

The main widths of the godets that can be installed on our stretching units are mm 600 - 1000 - 1200 & 1500.



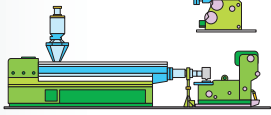
We have recently enriched our company spinning production-range by a new Monofilament Line for **Structural Fibers** to be used for the structural reinforcement of any cement and concrete coverage (rocky, stony, etc.), in many building applications (flooring, paving, prefabrication, etc.) and with many advantages compared to the structural steel/metal fibers now in use.

Most nowadays PET bottles become waste after their usage, causing unavoidably environmental pollution. To address this issue, the **PET structural fibers** made from recycled PET and used as additional structural reinforcement to cement or concrete can be a valid and effective solution.

Likewise as for the 3D printing, a new specifically designed plastic filament combined with **Graphene** has been successfully produced. By these filaments you can now easily 3D print also electrically conductive components, with no need to add any circuitry after printing.



SPINNINGPLANT



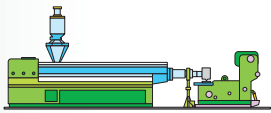
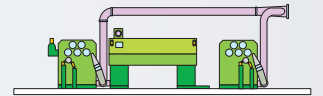
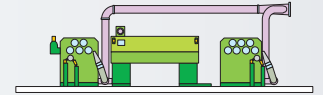
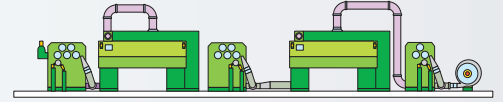
WOVENTAPE
Raffia line with single stretching system, suitable for the production of weaving tapes.



WOVENTAPE/COMPACT
Raffia line with single stretching system, particularly suitable for the production of low retraction weaving tapes.



POLYTWINE
Raffia line with single stretching system, particularly suitable for the production of raffia for ropes.



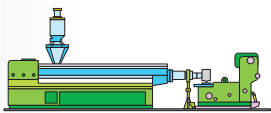
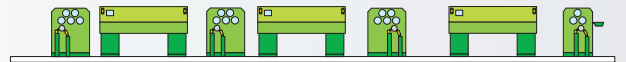
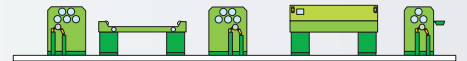
MOFIL/PP
Polypropylene Monofilament lines suitable for the production of textile counts and ropes.



MOFIL/HDPE
High-Density Polyethylene Monofilament lines suitable for the production of textile counts and ropes.



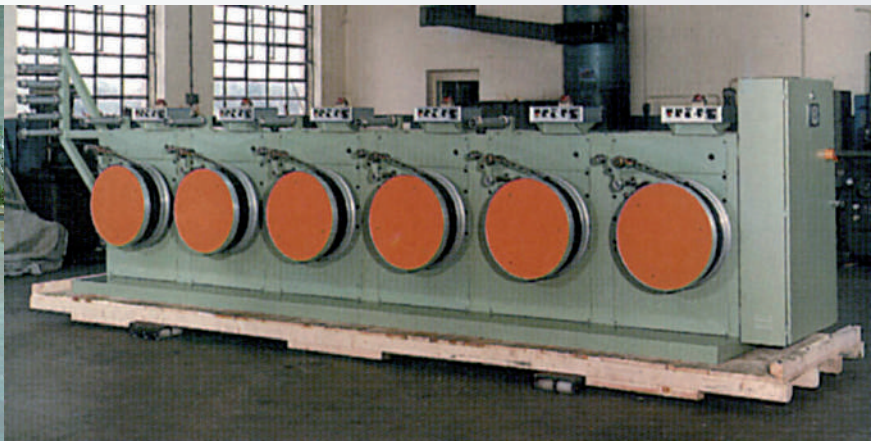
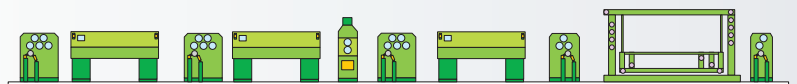
MOFIL/PA, PET
Polyamid and Polyester Monofilament lines suitable for the production of textile counts and ropes.



PLASTICSTRAP/PP
Polypropylene Strapping Line.



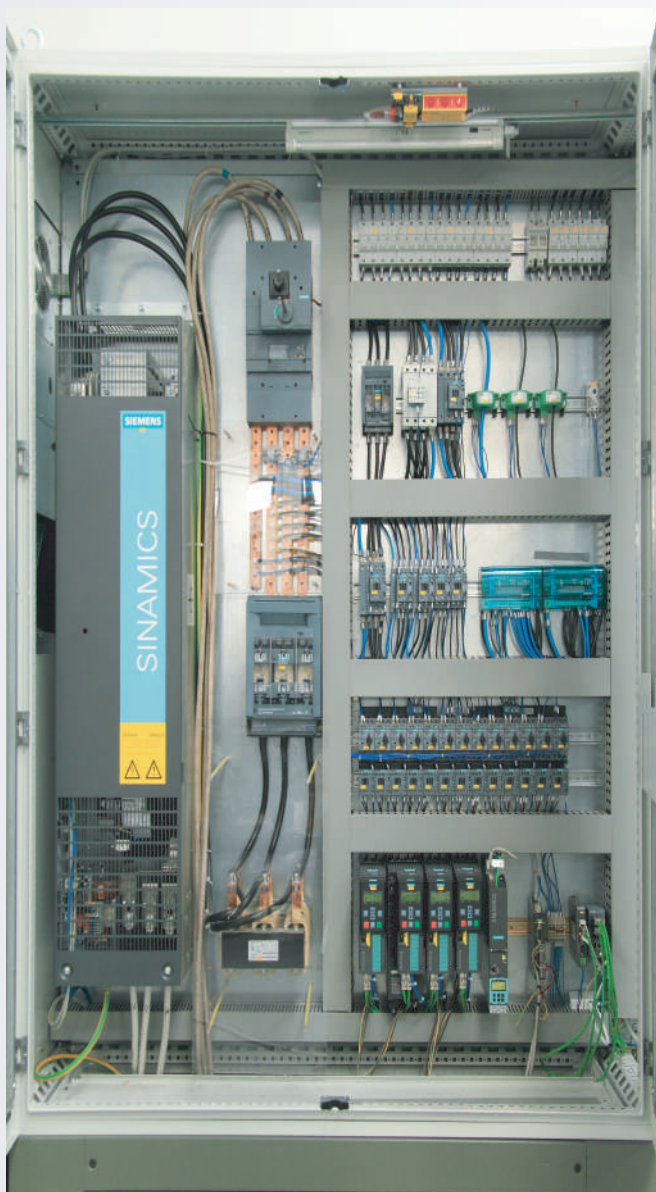
PLASTICSTRAP/PET
Polyester Strapping Line.

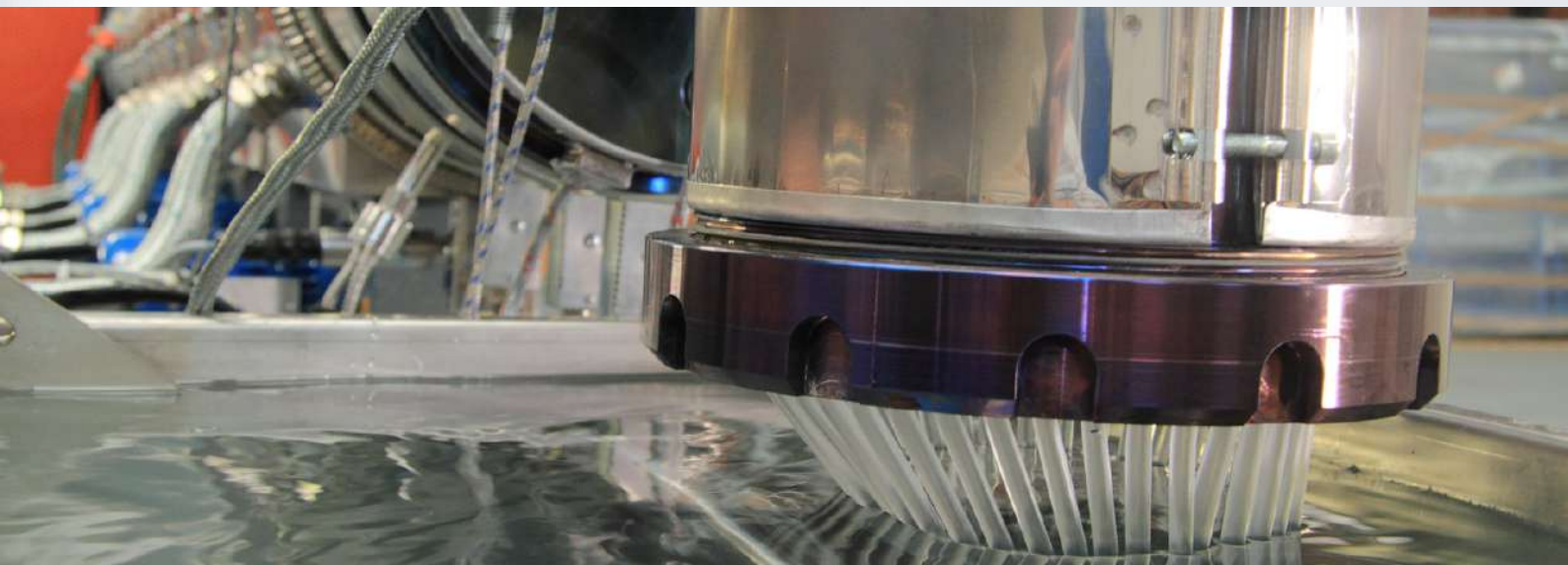


The SPINNINGPLANTseries is equipped with the SIEMENS CPU series 1500 and the whole production process is supervised through a touch operator panel managed by the software developed by AGRIPAK technicians on a SIEMENS TIA PORTAL platform.

Through the touch panel, the operator can quickly change all the process parameters, in order to **quickly find the optimal configuration to extrude a product with different thickness, weight and tensile strength.**

The SPINNINGPLANT series is also equipped with an industrial router that provides complete remote access to the PLC's process data : allowing our technicians to perform remote assistance and to our equipment to interface (by our BI-BOX technology) with the process datas, with the interesting possibility of sharing & integrating the same datas with the most common internal management software.





AGRIPAK turnkey service is focused on the final product, allowing its customers worldwide to produce more than 70 different products among 13 different business sectors. This means AGRIPAK is ready to offer its customer a 360° know-how, comprising: the supply of any full-automated Extrusion line on request, as well as the whole product production-flow technology ; by acting as a general contractor on any customer's specific project.

And if You're looking for a customized technical solution don't worry, AGRIPAK technicians will do their best to provide it. The production plant is equipped with high-precision CNC working stations suitable for highest microtolerance production, while the quality control department, located in special 20°C climatic rooms, is equipped with the most technological updated devices such as electronic cutting-gauge, optical collimators and transfer measurement systems.

All AGRIPAK lines and machineries are designed and built in accordance with the long dated AGRIPAK know-how, in the various final products-production flow. All parts and components are strictly assembled inhouse to assure highest reliability on production performances.



SPINNINGPLANT



Via Monte Rosa, 67 - 20149 MILANO - ITALY
Phone: +39.02.365.204.39
Email: agripak@agripak.com

Website: www.agripak.com
Skype: [agripak_ap](https://www.skype.com/name/agripak_ap)