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BUILDING MARKET



INFRASTRUCTURE MARKET



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Netting Technology



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# Netting Technology presentation

The Rical process or reciprocating process is the basis of our netting technology. The die is composed of 2 parts, the anvil and the knife. The sloted knife moves up and down thanks to a double action actuator and beats on the anvil opening and closing the die gap.

A frequency generator controls the reciprocating movement of the knife. This process allows to produce flat nets, non oriented, mono oriented and bi-oriented as well as rigid tubular nets.



### Our offer

- Supply of full solution, from material dosing unit to final product packing
- Supply of components, extrusion heads, dies, profile generator, MDO machine direction orientation unit, TDO transverse direction orientation unit, winders.
- In house prototyping
- Material recipe assistance

# Extrusion Lines

Reliability and performance are the core factors in the conception of our extrusion lines.

### Profil generator, motion control

Powered by a PLC, it's the basis of the process, controlling accurately the reciprocating movement of the die through the servovalve. The pattern is decomposed into a maximum points for more efficiency. It can handle One to Four patterns in a row.

### Extrusion head

From size dia 20 to dia 350mm, they are designed through 3D CAD software and a rheological study for a better and stable shaping of the net.

### Cooling tank

Fully equiped it is most of the time half burried for a comfortable operation. At this stage the net is Non oriented, such as garden fences, mosquito nets, shadow nets, tree trunk protections, gutter nets...and many others

### MDO, Machine Direction Orientation

The machine direction orientation process is to perform a mollecular orientation of the polymer into the machine direction to get an amazing tear resistance with ratio up to 110. At this stage the net is Mono oriented, such as safety fence, warning mesh.

### TDO, Transverse Direction Orientation

The transverse direction orientation is to perform a mollecular orientation of the polymer into the transverse direction to get amaizing tear resistance with a constant ratio of 14. At this stage the net is Bi oriented, such as anti bird net, turf growing net, olives harvest net, fencing and many others

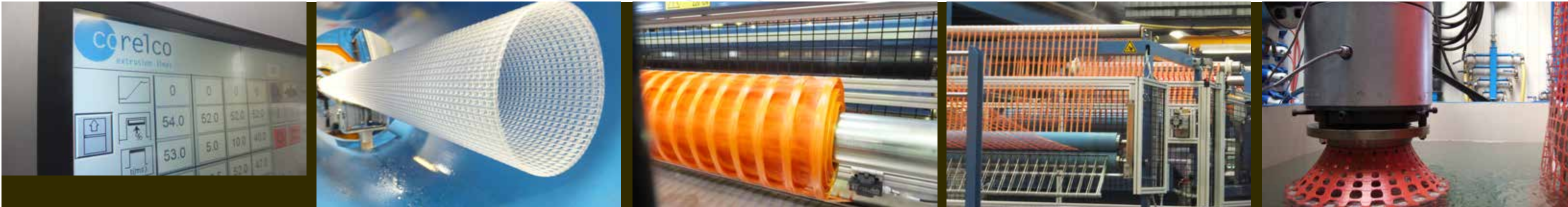
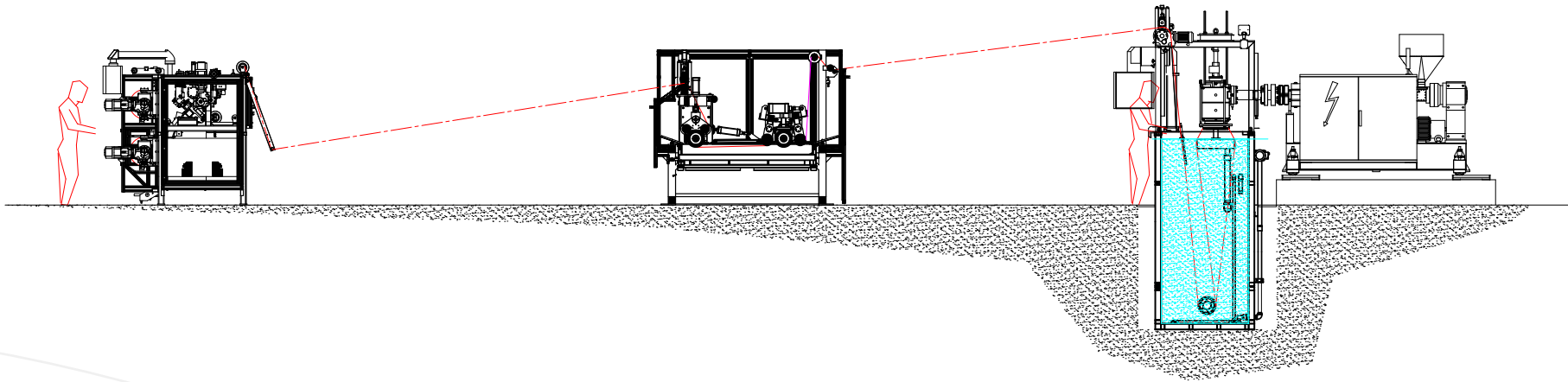
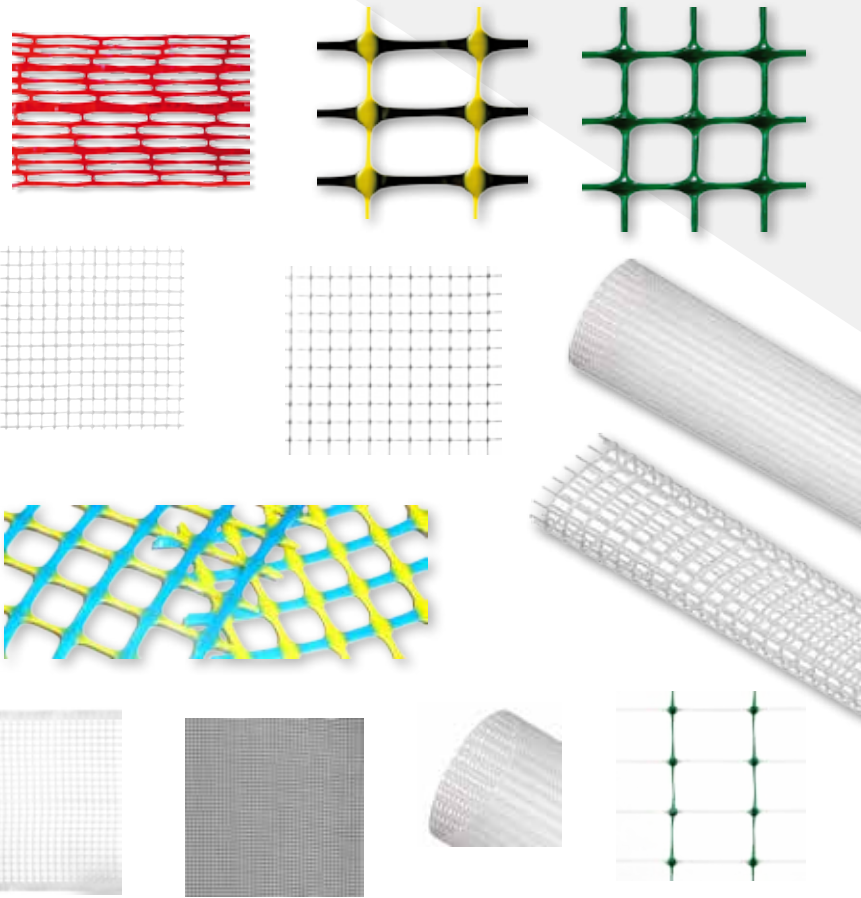
### Winder

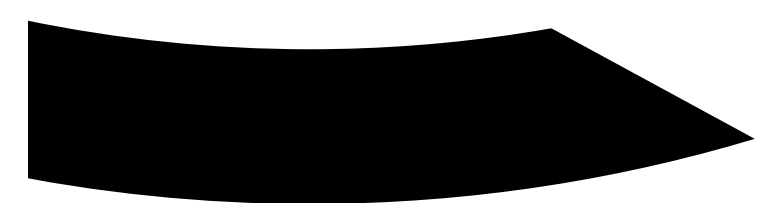
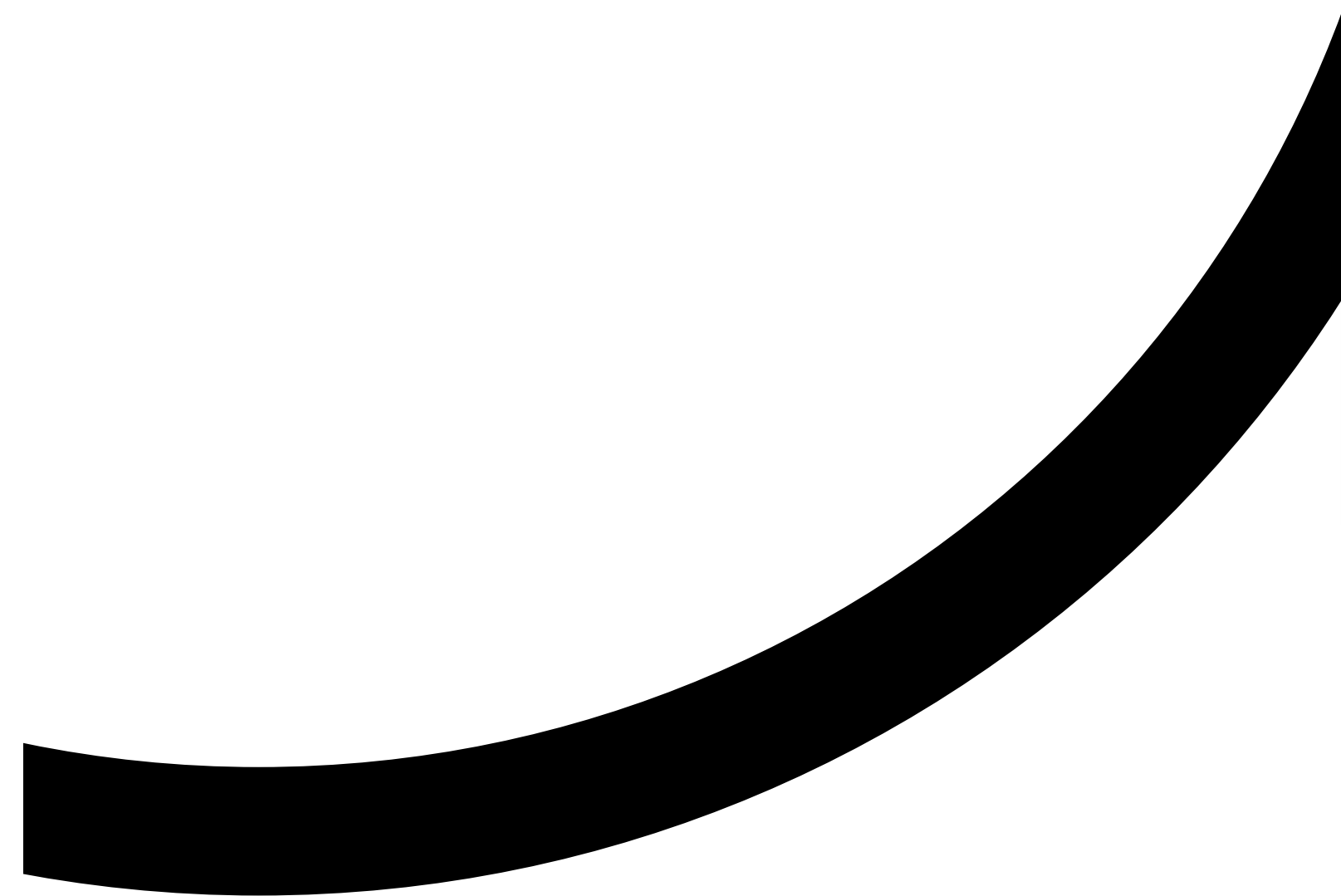
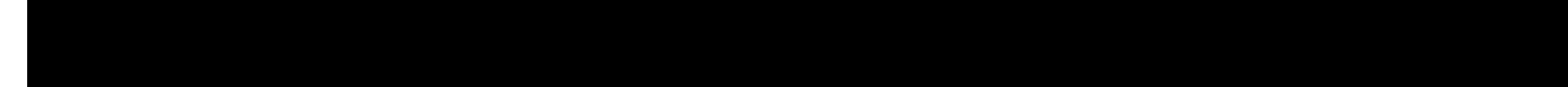
Semi automatic only, winding process is always high lighted, it gives the final touch to the produced net. Rolls must be tight and good looking.

	Net width		Net diameter
LG1	300 to 600mm	LGT1	Ø30 to Ø150mm
LG2	600 to 1500mm	LGT2	Ø150 to Ø250mm
LG3	1500 to 2000mm		
Bio	2000mm		

# Applications

- SAFETY FENCE
- WARNING MESH
- GARDEN FENCE
- MOSQUITO SCREEN
- HIGH RESISTANCE FENCING
- ANTI BIRDS NET
- ANTI CRACKING NET
- ANTI MOISTURE NET
- ANTI HAIL NET
- TREE TRUNK SLEEVE
- ORCHAD TREE SLEEVE
- WATER FILTRATION
- AND MANY OTHERS





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extrusion lines