

PLAST • PROJECT

Extrusion is blowing in the future



PVC Cling Film Line

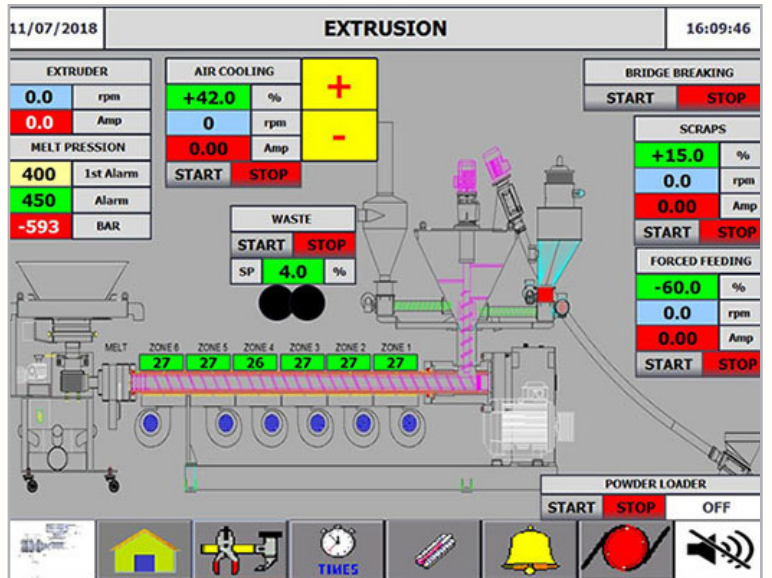
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When PVC cling film was introduced more than 30 years ago it revolutionized food packaging because of its capability to preserve the freshness of meat, dairy products, vegetables and other foodstuffs, maintaining their shelf life, organoleptic qualities, and display appeal better, longer, and more cost effectively than any other material existing on the market even today. Cling film is an efficient barrier against micro-organisms, a feature particularly important for supermarkets and retail trading, and is produced in different grades for specific applications. Severe U.S. and European regulations ensure that the composition of the film marketed is absolutely safe and suitable to wrap food for human consumption.

Production



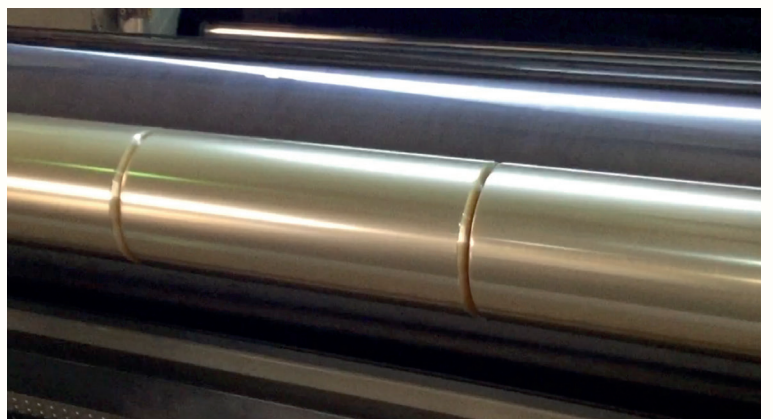
The line works according to the bubble blowing process. The material is extruded with a circular extrusion rotating head die and inflated to form a bubble. It is then cooled by an air blowing ring, flattened and drawn by the nip rollers of the winding section. The edges of the lay-flat tube are trimmed and the two single films so obtained are wound into reels on two rewinding stations placed one facing the other. The reels obtained from the extrusion plant are already of the standard sizes demanded by supermarkets, whilst rewinding is necessary for the smaller household rolls.

The extrusion line is available in three versions:

TR100 line

TR120 line

New re-engineered TR120 PLUS line



Technical data of the THREE LINES

PVC Cling film extrusion lines are available in three versions of PVC Cling Film

MODEL		TR100 - 1600	TR120 - 2200	TR120 - 2400 PLUS
Single screw extruder		L/D 30	L/D 30	L/D 30
Screw diameter	mm	100	120	120
Maximum output	*Kg/h	140	250	350
Film thickness	μ	7 - 20		
Film thickness Double Layer	μ	7 + 7		
Maximum Film width	mm	1400	1900	2100
Max winding speed	mt/l'	Up to 160		
Maximum diameter on Winder	mm	400		
Multiple rolls	N°	up to 4 + 4	up to 5 + 5	up to 7 + 7
Airshaft diameter	mm	74 (3")		
Average consumption (approx)	Kw	90	120	140
Winder	Automatic double Winding Station			
Control Panel	PLC SIEMENS			
Process supervision	Line Engineered to the process in Industry 4.0			
* Production capacity depends on raw materials, widths and thickness.				

Pvc Cling Film Extrusion Lines

Features

RL PLASTPROJECT extrusion lines produce high quality rolls of PVC Cling film.

Accompanying the lines comes also the complete know-how to operate them and the complete formulation including PVC, plasticizer and additives to make high-grade PVC Cling film.

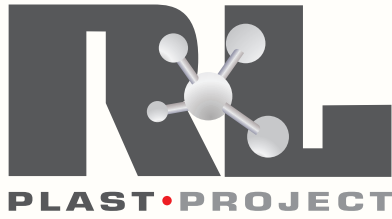
- Lines completely preset to Industry 4.0 technology
- Automatic supervision and remote control of all parameters of the working process
- Able to handle Dry-blend or Granule as raw materials
- Automatic Dry-blend/Granule loading
- Automatic management of line speeds
- Thicknesses range 7-20 μ and 7+7 μ double-layer to improve the mechanical properties of the film
- Automatic Edge-Trims complete recovery system directly in line
- Scraps complete recovery
- Fume take-away system
- Other configurations of the lines upon customer's request

Applications

PVC Cling film is one of the safest and most widely used material for food packaging. It is suitable for automatic machine and hand wrapping applications:

- *Fresh fruit, vegetables, cheese, fresh meat, poultry and fish on trays*
- *Irregularly shaped packages*





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