

MULTILAYER PP CAST LINE REIFENHAUSER FOR SHEET LINES (YEAR 1998)

Extrusion line used for PP shink for thermoforming application

Net width of the foil: 1650mm

Gross output: 750Kg/h

The composition of the line is as follows:

DOSING SYSTEM

1 Silos for each component and automatic distribution to dosing and extruders

EXTRUDERS

A Single screw extruder with the following details:

- Screw diameter: 60mm
- Barrel: 30 L/D
- Nitrided steel with bimetallic coating
- Gravimetric dosing system 2 components

B Single screw extruder with the following details:

- Screw diameter: 100mm
- Barrel: 30 L/D
- Power of AC motor: 132 Kw
- Nitrided steel with bimetallic coating
- Gravimetric dosing system 4 components

C Single screw extruder with the following details:

- Screw diameter: 100mm
- Barrel: 30 L/D
- Power of AC motor: 132 Kw
- Nitrided steel with bimetallic coating
- Gravimetric dosing system 4 components

D Single screw extruder with the following details:

- Screw diameter: 70mm
- Barrel: 30 L/D
- Nitrided steel with bimetallic coating
- Gravimetric dosing system 2 components

E Single screw extruder with the following details:

- Screw diameter: 60mm
- Barrel: 30 L/D
- Nitrided steel with bimetallic coating
- Gravimetric dosing system 2 components

SCREEN CHANGER AND MELT PUMP

Each extruders has own screen changer system and melt pump

MELT CONVEYING PIPE

Connection pipes from the extruders to the feed block or the flat die, suitable for extrusion lines with horizontal roll stack calander configuration
Precise thermoregulation of the melt through band heaters

FLAT DIE

Feedblock: Reikofil manufacture
Selector plug suitable for 5 layers configuration
Made: Reifenhauser manufacture
Net width of the foil: 1650mm
Automatic thickness control 63 segments

CALANDER ROLL STACK

Cooling and polishing roll stack calander
Horizontal configuration: 3 rolls
3 chill roll recently changed

AUTOMATIC THICKNESS CONTROL SYSTEM

Thickness measuring system suitable for flexible and rigid material, transparent and coloured products

CORONA TREATMENT

Manufacture: AFS
For the PE film to be laminated

CUTTING SYSTEM

In line slitting unit
Made. Maier

TRIMMED EDGES WINDER

In line recovery trims system with exact trimming and supplementary extruder

WINDING SYSTEM

Rewinder non stop change
N system

ELECTRICAL CABINETS

The power cabinet includes the inverters for all the motors of the line. The apparatuses for thermoregulation are located inside a remote terminal box on board of machine
The line includes a general control desk