GAP is a global player in the flexible packaging sector and is possessing, under one roof, both extrusion as well as web converting capabilities a reliable partner for a coating or lamination project.

High speed solution over 500 mt/1 and fast work change for multipurpose production.

The extrusion coating process is virtually pollution-free. On long runs the economics of extrusion coating are very favourable because of the potential significant increases in production rates.

Extrusion coating lines are not particularly energy intensive. The ability to produce multi-layer composite laminates in one pass particularly with the use of coextrusion is very attractive.

In many cases the use of coextrusion enables much thinner films to be laminated to produce the same barrier properties as those produced on conventional adhesive coating and laminating machines.

New extrudable resins permits to give added adhesion barrier and heat sealable properties. An extrusion coated layer can replace a film lamination.
GAP Turret unwinder, auxially unwinders and winder up to 1800 mm diameter. Winder are specifically designed accordingly to the material to handle like: paper, board, plastic film, aluminum.

Winder can be supplied with:
- Pneumatic shafts or shaftless
- Fully automatic splice system at production speed
- Fix or movable arms to help roll pick up
- Roll can be load by lifting platform or crane.
- Fly splice in one direction on both direction
- Dedicate splice for aluminum foil

Chemical primers will provide the adhesion required particularly in food packaging. In particular use of chemical primers can allow extrusion coating at substantially lower temperatures without loss of adhesion -this is particularly valuable in extrusion coating of food packaging materials since the lower extrusion temperature means a lower degree of resin degradation and therefore less odour imparted to the goods packaged. The primers can also impart certain barrier properties as well as maintaining adequate adhesion under difficult process conditions.
In extrusion coating GAP control high extrudate temperature with a high degree of homogeneity to obtain the ideal situation for good coating. In addition, and most important, we are aiming at these conditions over a wide screw speed range. The temperature of the extrudate is governed by many variables but the specific ones to consider are screw design, barrel temperature, the polymer viscosity and the extrusion output rate or screw speed. Extruder has been studied to deliver high uniform melt temperature and stable output.
The lamination group is designed and built to provide a uniform temperature on the chill roll surface with particular water flow circulation. GAP has different size and finish surface of the chill roll accordingly to the output and to the material to be laminated. Quick removable chill roll easy change. Pressure roll covered by particular coating heat resistance. Adjustable tapes for overcoating.
Coextrusion coating with the conventional centre fed dies the combining adaptor or feed block assembly is used to combine the melt flows before entering the die. The layer ratio and uniformity are dependent on resin rheology, temperature and extruder output since a similar viscosity is required for each material. It is also possible to change the internal flow geometry within the combining chamber to physically adjust the thickness and the flowing conditions (viscosity and velocity matching) of the melt streams. The uniformity of the total thickness across the film is obtained by adjustment of the final die lip opening with manual or automatic adjustment.

Corona treatment
Flame treatment
Slitting in line
Thickness control
Ozone discharge on the melt
Perforation device
Creasing device
Punching device
Web inspection inline
Gravimetric system
Automatic run up of the line
Easy chill roll change
Different chill roll finishing
In line management data acquisition