

### Basic structure

- Stable steel basic frame featuring aluminium profile attachments.
- It is also possible to install a film applicator into an existing system retroactively. Corresponding holders and installations may be adjusted to the conditions of the system. Of course, this also requires exact coordination and exchange of drawings and additional information.

### Mechanical structure

- Film application station for attaching the film rolls including axis. For film stations designed for applying film underneath the product track, a pull-out mechanism is used for the station so that the film roll may be inserted without any problems.
- To tension the film to the side, the film is guided from the film application station via a spreading roller to the product track. The spreader roller tensions the film perpendicular to the extrusion axis on both sides, which therefore prevents wrinkle formation.
- The film applicators can be designed for processing just one side of the product track or both sides. In case multiple film applicator stations are used, one of the respective stations may be fitted while the second is being used. This shortens the time for changing the film roll and prevents generation of scrap material at the plate extrudate.

### Electrical technology

Electrical equipment is normally minimal for film applicators. In case of use of motorised pressing rollers, a frequency inverter and corresponding peripheral devices are naturally required. Without this application, all of the functions will be executed purely pneumatically.



### Technical data:

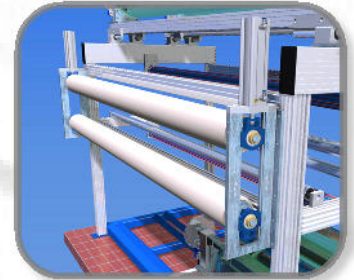
Type: FO1, FO2 .... (depending on the number of film application stations)	
Film roll diameter	Up to 400 mm (in the standard design)
Core inside diameter	Up to 90 mm (in the standard design)
Film roll width	Up to 3000 mm (in the standard design)

## Equipment / options / additional equipment:

The following is a selection of different properties/options/additional equipment for this machine:

### Pressing rollers

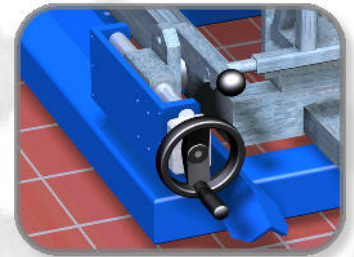
The plate film applicators are partially installed in front of the pull-off machine of the system into the extrusion line. In this case, the rollers of the pull-off machine also act as pressing rollers for the film. This type of installation can nevertheless lead to problems, since the film on the plate surface influences the pull-off function (slipping through) or the film itself does not stand up to the pulling force and is deformed. If the film application (in the extrusion direction) is installed after the pull-off machine, then additional pressing rollers are required to press the film on the plate. These may also be operated via motors upon request.



### Comfortable adjustment of the film units to the plate material feed

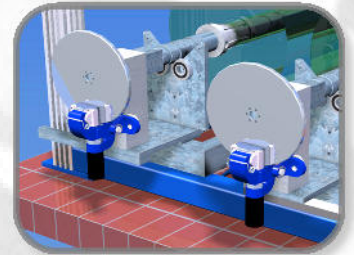
The individual film application stations are adjustable in the working position perpendicular to the extrusion axis. This enables the application to be adjusted to the plate material feed and corrected as required.

In case film stations underneath the product track, the pull-out stations are attached to the offset after being pushed in and snapped in.



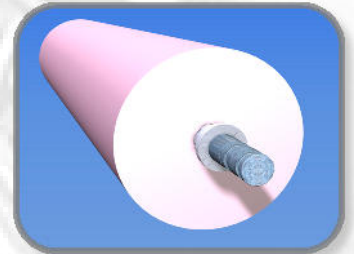
### Film tensioning

In order to prevent the film from rolling off of the film station unintentionally and to tension the film on the extrudate during application, each film station features a braking device. The film roll is inserted into the device with the mounting axis via a simple coupling claw when the station is being fitted. A brake disc and a pneumatic brake pad enable the tension of the film to be specified by setting the pneumatic pressing force of the brake pad. This setting may be regulated during running.



### Customer-specific adjustment

With regard to the dimensions of film rolls in terms of external diameter, core diameter, and roll width, there may be large differences and variations. We are therefore happy to consider the respective application case and adjust the design of the machine as required. Specifications concerning the film rolls (including weight) are therefore critical for selection of the suitable machine.



### Spooling stations for scrap film strips

The product track is usually covered with protective film before the plate extrudate is laterally cut. After the lateral cut is complete, film strips remain on the separated edge strips, which may be recycled after being shredded. Prior to recycling, the film strips must be separated from the extrusion material. The film strips may be spooled onto winding cores by a film spooler (separate machine) following the edge cutting device for separate recycling. We would be pleased to provide further information about the spooling stations.

