



Application

With sharp cutting – Forming hose foils

At the production of hose foils, for example of HD-PE, LD-PE, LLD-PE etc., foil cutters of Hellweg Maschinenbau GmbH & Co. KG are integrated in blow foil systems. By these foil cutters the flattened hose foils will be cut up respectively manufactured into foil stripes. The actual cutting of the foils happens by standard blades with high sharpness and long service life. These blades rest in bushings of the foil cutter housing and are additional fixed by magnets. The nearly maintenance-free foil cutters are equipped with quick change devices, which make a changing of the blades during the production possible.

The hose foil will be flattened at the end of the blow foil system, tightened on rolls and fed to the foil spool device. There the foil cutters of type A will be fixed movable at line guides beside the foil stripe. The cutters reach into the hose foil, which runs over guiding rolls made of high-graded steel along a chromium-plated – optional ceramic-plated – guide wedge. As a result of this a regulated and smooth guiding of the foil is guaranteed. The foil cutters are sideways mechanical kept in traction while the hose foil keeps being tightened. The guiding rolls have a little slot, in which the blade reaches. By this a sideslip of the blade is prevented and the hose foil will be cut into two foil stripes lying on top of each other, which then will be spooled separately. A protective covering prevents inadvertent contacts with the blade.

The foil cutters of type A are optional fitted with a connection for compressed air. Here compressed air will continuously be fed through five air nozzles at the front. By this cohered foils will be blown apart. The foil cutters of type D are suited for the lateral sizing of foil stripes, the cutting of middle stripes and the fixing of the width of the edges (producing of thin foil spools). Therefore the cutters will be fixed movable at line guides in front of the running foil stripe. The blades reach into the foil and cut it.

Hellweg Maschinenbau GmbH & Co. KG
Vennstraße 10 52159 Roetgen/Germany
Tel. +49 (0) 24 71 / 42 54
Fax +49 (0) 24 71 / 16 30
info@schneidmuehlen.de
www.schneidmuehlen.de