



Extrusion Coating

510 A Die

Overview

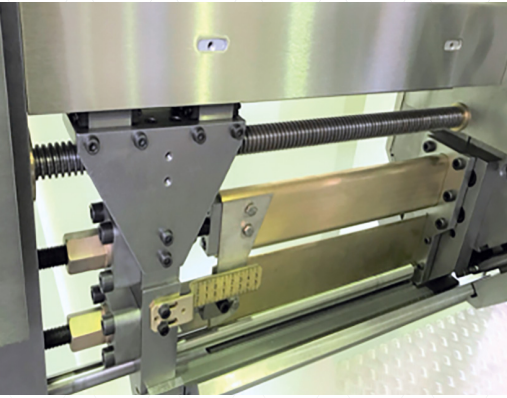
The 510A extrusion coating die is engineered for your packaging, cup stock, board and paper, foil and film applications. Take advantage of simplified operation, improved safety, and reduced waste for efficient production. A short die lip facilitates minimal edge bead, an excellent cross profile, and required flexibility for processing various polymers at changing web widths.

The motorized deckling adjustment promotes safe operation, and an optional way-encoder reduces waste during product changeover. The corrosion-resistant chrome nitride surface enables a sharper die exit edge to minimize polymer build-up and increase running time. Resistance to acidic co-polymers adds versatility.

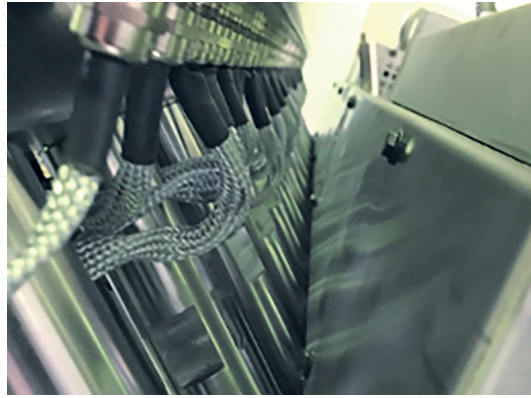
Features

- Die Gap adjustment range from 0,5 – 1,0 mm
- Die body electrically heated, incl. plugs for existing sockets with stainless steel protection hoods
- Each expansion bolts, temperature controlled by EXACT-S control system, electrical heated with integrated thermocouples and thermocouple feedback to start with a profile from a recipe
- Improved Thermo bolt design with low mass and a large surface leads to faster response times
- Thermo bolt cooling via convection of bolt surface, no external air cooling necessary
- Motorized opening and closing of deckling on each side separately – way encoder optional
- Including die body insulation and 1 tool for manual die lip adjustment

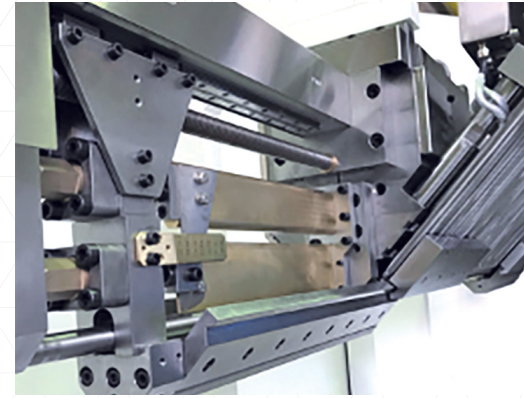
510 A Die / Extrusion Coating Overview



Plug and Blade adjustments



Thermo bolts



Deckling details

Performance Parameters

- Automatic die gauged by Thickness Measurement System
- Innovative short lip design
- Excellent edge bead reduction functionality
- Motorized internal and external deckling system for easy and safe operation
- Optimized die channel in combination with CrNi plating allows for easy cleaning
- Stainless steel die body
- Die channel with chrome nitride plating allows sharp edge at the die exit to avoid melt deposits and protects against abrasive wear
- Internal rod to adjust edge bead at the lip exit
- Low inside pressure to avoid leakages
- Bottom guidance and support bar for the deckling blade
- Standard low torque FU motor for deckling with additional manual adjustment possibility



Deckling details