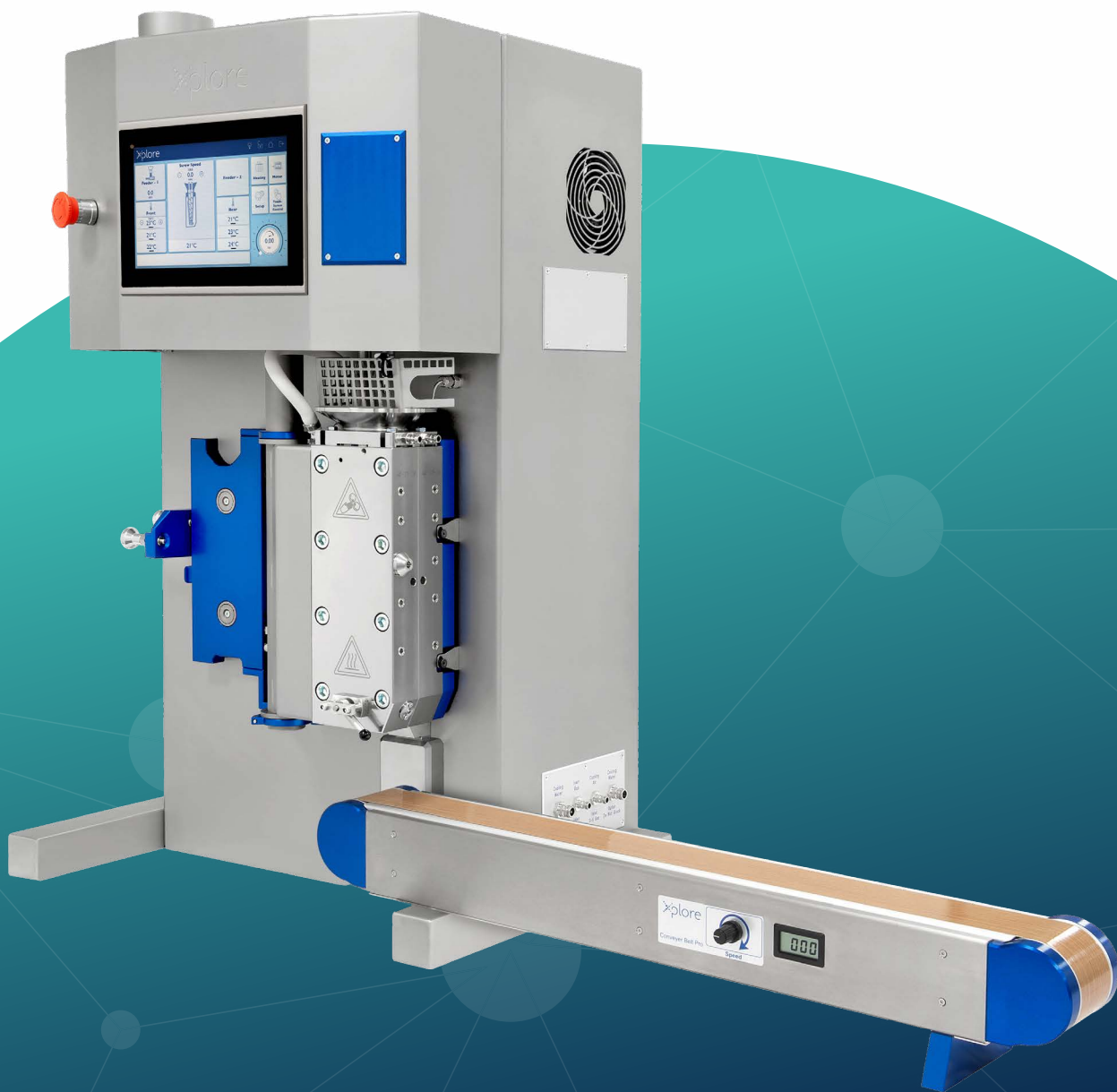




# Xplore CB Pro conveyor belt pro

**A high quality add-on for the Xplore Micro compounders**

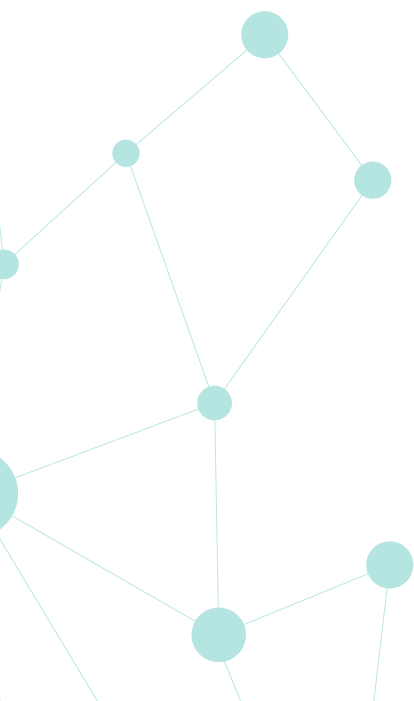


# Accessories for formulation development:

## **reliable, reproducible and fast R&D results**

The Xplore conveyor belt pro (CB Pro) is specially designed to be used to support and guide polymer strands directly from a smaller extruder or compounder die. The CB Pro does fit perfectly to our MC 5 and MC 15 compounders. The belt speed of the CB Pro is adjustable, allowing it to be precisely tailored to each individual processing application.

Instead of being conventionally extruded into a water bath, the polymer strand is extruded directly onto a non-sticking PTFE conveyor belt, which carefully, in a controlled manner, draws the fragile nascent strand away from the die opening. This controlled drawing of the strands, while they are still in a non-solid state, prevents breaks or cracks in the strands. This enables the polymer strand to cool down in a predetermined shape ready for a subsequent analyzing step or to be directly fed into a small pelletizer. Optionally a transparent tunnel-shaped hood can be placed onto the CB pro, where, via a purge port an inert gas can be introduced to create an oxygen free environment to minimize degradation of the strand.



## Benefits:

- Large operating window
- Prolonged draw rates possible
- Temperature resistant PTFE belt
- Easily exchangeable belt
- Gentle, straight-line strand cool down avoids strand breaks for a subsequent analyzing or pelletizing step
- Can be retrofitted into existing extrusion lines





### Technical Specifications:

#### CB Pro:

- Non-sticking PTFE belt,
- Belt width and usable length: 6 x 70 cm
- Digital indexed readout of belt speed
- Speed range: 10 - 250; other speed ranges on request
- Overall dimensions (h x w x l): 15 x 11 x 82 cm
- Weight 11 kg
- 115/230V 50/60 Hz

#### Optional:

- tunnel-shaped inertisation hood

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