



bellaform
the better solution

MACHINES AND EQUIPMENT
FOR PLASTIC PROCESSING



Mono-extrusion system for the high-performance plastic PEEK

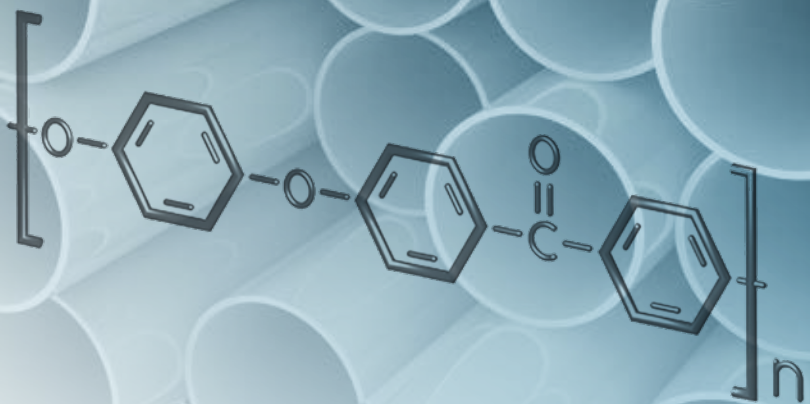
Bellaform has implemented a mono-extrusion system for the high-performance plastic PEEK (polyether ether ketone) in cooperation with our customer **Evonik Industries AG** from Marl.

Bellaform systems are outstanding for processing of PEEK, since they ensure a process-safe sequence even at high melting points of 330 °C. The extruders are heat-stable at up to 450 °C.

The system is designed for slow cooling. This is particularly important when processing PEEK, since fast cooling of the pipes may result in an amorphous structure.

Application areas for PEEK:

- Aviation and aerospace
- Rail-bound vehicles
- Electrical and cable industry
- Medicine technology



Equipment features

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VESTAKEEP® by Evonik

Material properties:

- Very high heat shape resistance
- High stiffness
- Low water absorption, leading to high size preservation
- High hardness
- Good strength
- Very good sliding friction behaviour, very low abrasion
- Good electrical properties
- Very good chemicals resilience
- Very good hydrolysis stability
- Good processability
- No tendency to form tension cracks



EVERYTHING FROM A SINGLE SOURCE

Our integration into **PÜTZ GROUP** and the resulting **synergies** have enabled us to offer the matching inspection technology for inspecting surfaces and dimensional stability in addition to the machines and systems for plastic processing.

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BELLAFORM offers everything from one single source ...

... irrespective of whether it is about the upgrading of your systems, spare part supply or the construction of a new production line.

We look forward to hearing from you!