



**Reifenhäuser**

BLOWN FILM PLAMEX

The Extrusioners

# High Tech Blown Film Dies

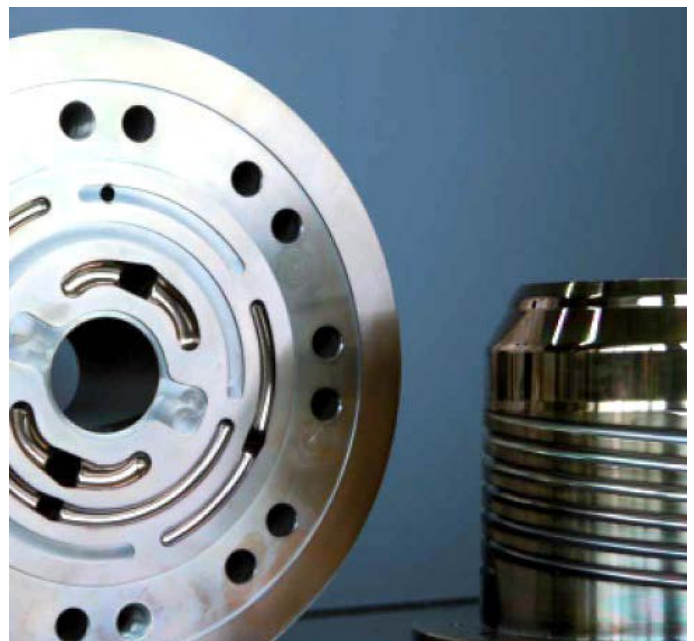
## Mono and multilayer

Besides extruders blown film dies are the heart of each blown film extrusion line. Based on heavily experienced die experts and equipment with appropriate CNC - machine tools, Reifenhäuser Blown Film Plamex is known as a reliable and innovative supplier.

**In order to meet all demands of their customers, a variety of options are available:**

- Mono and multilayer
- Conventional-vertical
- "Pancake-stackable"
- Conical

The selection of the right steel, coating and the best finish of the surfaces in contact with the melt are preconditions for the quality of the complete die head.



**The specific Reifenhäuser Blown Film Plamex design is distinguished by:**

- Side feeding: Allowing a low building height for ergonomic operation
- Central bore for Internal Bubble Cooling (IBC)
- Compact assembly with minimized single parts and clamping system for easy disassembly and cleaning
- Short residual times for the melt through binary distribution in horizontal and vertical levels
- Computer aided design of all channels and spirals optimized for: Layer thickness distribution, variety of polymer combinations, throughputs and melt pressure
- Uniform heat distribution inside the die body by “heat rods”
- Super finishing of all the surfaces in contact with the melt; alternatively coated with nickel, hard-chrome or anti-adhesion special coating alloys.

**Special tubular tools for circumferential coating of woven structures**

E.g. the manufacturing of polyurethane coated polyester-based woven tube, which serves to re-seal corroded pipes in the ground. For this special application Reifenhäuser Blown Film Plamex developed and delivered large caliber coating dies up to a diameter of 600 mm. Larger diameters are available upon request.

