

## Testing Units



Pressure Filter Test  
with Melt Pump and  
integrated Screen Changer

## R & D Lines Pilot Plants

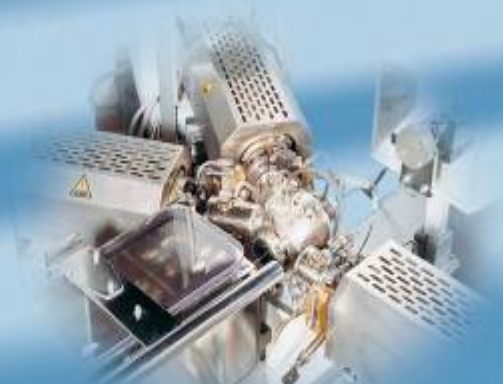


7-Layer Blown Film Unit  
used for Research & Development



Laboratory machines for the  
processing of polymers

## Production Systems



3-Layer Extrusion Line for the  
Production of Heart-Catheters

## *DR. COLLIN Products*

- **Roll Mill + Calender**
- **Platen Press**
- **Kneader / Compounder**
- **Extruder**
  - **Lines for**
  - **Pelletizing**
  - **Cast film**
  - **Calendering Sheet / Film**
  - **MDO**
  - **Blown Film**
  - **Blown Film Quenching**
  - **Extrusion Coating / Laminating**
  - **Pipes & Hoses**
- **Special Testing Units**
- **TEACH-LINE®**

# R&D Units - Cast Film Examples







*Cast Film Unit  
Type 136-350*



*Cast Film Unit  
Type 136-350*



*Kneader Type ZK 25 with 4x Feeding, Melt Pump, Die and Finishing Unit for Sheets*





*Direct compounding in coextrusion application*



MDO Reckanlage – Pilotanlage zur Produktion von atmungsaktiven Folien  
*MDO Stretching Unit – Pilot Plant for the production of breathable films*



# R&D Units – Calendaring Examples







*Calender Unit Type 168/600*



*Calender Unit  
Type 168/600*





*Calender*



# R&D Units – Blown Film Examples





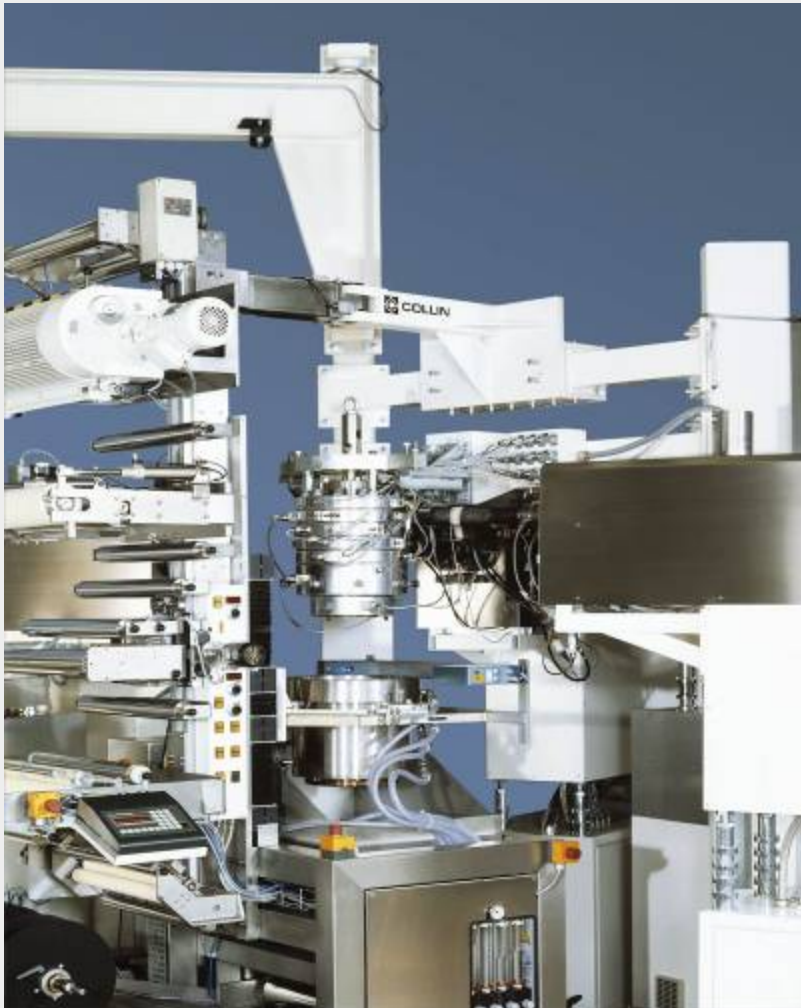


*Mono Layer Blown Film Line*





*7- Layer Coextrusion Blown Film Line*



## *Coextrusion Quenching Unit*

- *Calibration ring and waterbath*
- *Take-off Unit*
- *Edge cutting and winding*
- *Oszillation of take-off unit*
- *Film tension measuring roller*
- *Two central winder*
- *Microprocessor-Controlling*



Combined COEX-  
Blown/Cast-Film Line



# R&D Units - Extrusion Coating Examples



*Typical Extrusion Coating Applications*



*Multifunctional Extrusion Line Type MF-ExB also usable as a Production Unit*