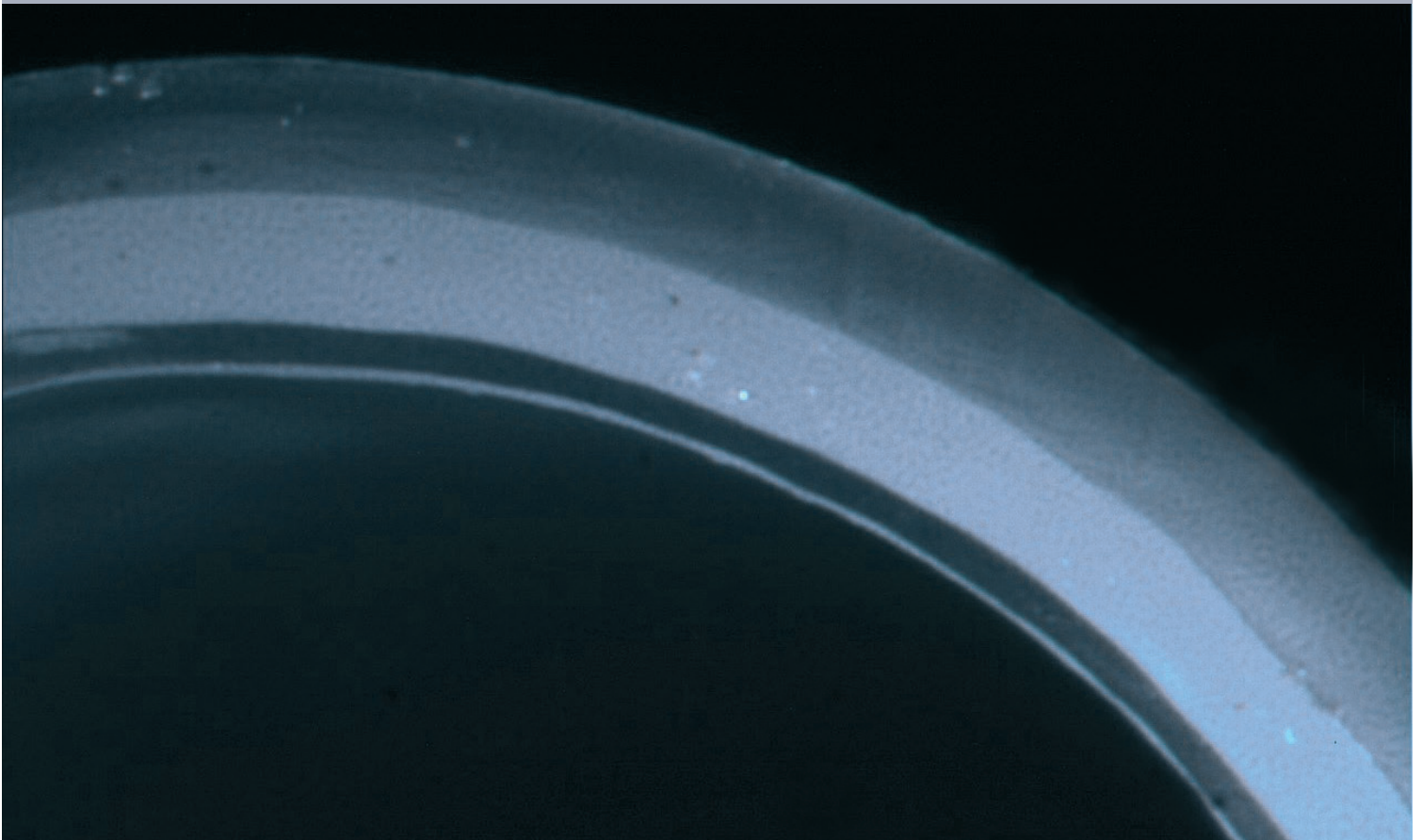
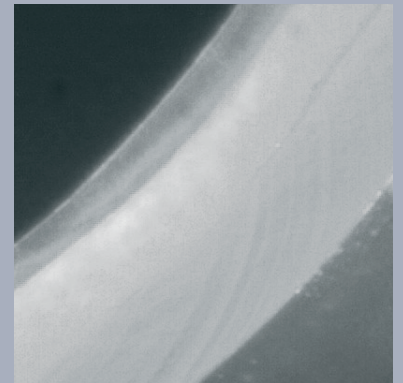
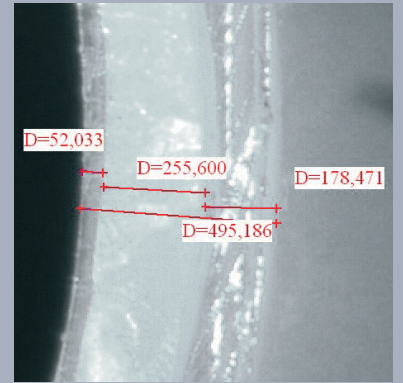
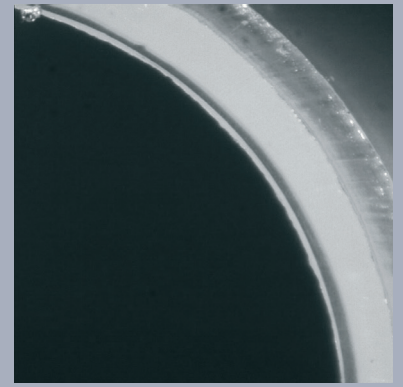
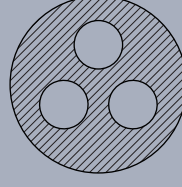
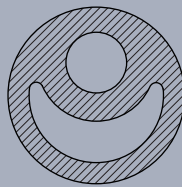
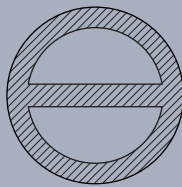
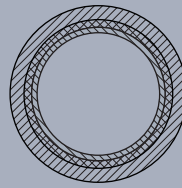
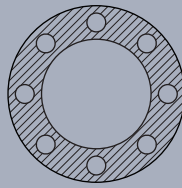
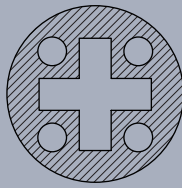




High Precision Extrusion  
Micro Extrusion



# Extrusion Lines for Medical Tubings

## Thermoplast extrusion at Osypka

- Screw Diameter: 20mm / Barrier screw and standards
- Ultrasonic Measurement and 3-Axis Laser Measurement System
- Minimal tolerances possible  $\pm 0,02\text{mm}$
- Faster processing
- Highest level of concentricity
- Materials: PU; PA; Pebax; and other standards in the medical field. No fluoro plastics

## New Gimac extrusion line 2016 / Q2

- Extrusion in a controlled environment according to VDA 19-2 class 2
- Peek and other high temperature thermoplastics extrusion
- Tolarances up to  $5\mu\text{m}$
- Close-loop-system
- Deduster
- Ultra moisture sensitive Polyurethanes extrusion

## Site: Odry / Osypka Czech Republic

- Screw Diameter: 25mm (Helibar) (40kg/h)
- Production Environment: Cleanroom Connection
- Tube cutter
- Diameter of end product: 1-15mm (ID min. 0,5mm)
- Typical Materials: PP, PE, PVC, PC, PEBAX, TPU
- Single lumen tubing
- From 0,5mm OD to approx. 14mm OD
- Multilumen for catheter tubings
- 2-lumen to 12-lumen
- Multi Layer Tubings. Three layers with two materials
- Two materials for inner and outer surface
- Co-Extrusion with wires
- Tube Processing: Tip forming, Hole punching, Laser marking

## Site: Oscomed Sonneberg / Germany

- Screw Diameter: 25mm / Co-Extruder 12mm
- Production Environment: Cleanroom Connection
- Tube cutter, Additional Air Support for three different inner lumen
- Diameter of end product: 0,4 - 5mm
- Typical Materials: PA, PEBAX, TPU, PVDF, PEEK, PSU, Compounds