

- 01 - Sensors for recycling and grind processing
- 02 - Measuring and controlling melt viscosity on injection molding machines
- 03 - Inline measurement and control of melt color
- 04 - Spectroscopic inline melt analysis 0.4 ... 20 μm
- 05 - Inline measurement and control of the proportion of recycled material added to virgin material
- 06 - Measurement technology for compounders
- 07 – Measuring flow-front velocity in the mold
- 08 - Measuring injection-molded part temperature using IR technology
- 09 - Measuring the cooling profile of the injection-molded part
- 10 - Temperature-controlled demolding
- 11 - IR melt temperature measurement
- 12 - Inline measurement of the resin/hardener mixing ratio
- 13 – Raman spectroscopy for resins and polymers
- 14 - Measuring the curing process of 2-component (2K) resins in the mold
- 15 - Measuring pressure and temperature in pultrusion dies
- 16 - Inline measurement of the crystallization temperature of thermoplastics in the mold
- 17 - Measuring the degree of polymer crystallinity
- 18 - Inline measurement of melt composition
- 19 - Inline measurement of contaminants in the melt
- 20 - Predictive machine maintenance
- 21 - Monitoring the condition of the injection unit
- 22 - New long-life, wear-resistant extruder pressure sensors
- 23 - High-resolution measurement of pellet moisture
- 24 - Measuring melt viscosity in the extruder
- 25 - IR temperature measurement for PTFE extrusion
- 26 – Spectroscopic reaction monitoring
- 27 High-pressure-resistant optical process probes
- 28 - Complete control systems
- 29 – Measuring extruder wear (barrel and screw)
- 30 - AI-assisted process data analysis
- 31 - 24/7 process monitoring and control
- 32 - Sensors for pultrusion
- 33 - Nozzle pressure sensors for 3D printers

- 34 - Inline melt analysis
- 35 - Measuring and recording melt quality
- 36 - Monitoring reaction processes
- 37 - Continuous measurement and documentation of compounds
- 38 - Inline measurement methods
- 39 - Raman spectroscopy
- 40 - FTIR spectroscopy
- 41 - Hyperspectral analysis
- 42 - Energy consumption per cycle
- 43 - Predictive machine maintenance
- 44 - AI-assisted measurement and data analysis
- 45 - Sensors for pultrusion dies
- 46 - Sensors for overmolding applications
- 47 - Measuring insert temperature
- 48 - Minimizing part warpage
- 49 - Improved mold commissioning through IR temperature and pressure measurement
- 50 - MFI / MFR control systems
- 51 - AI-assisted process control
- 52 - Run any mold on any machine
- 53 - Precise injection pressure control
- 54 - Measuring polymer aging
- 55 - Measuring wear during operation
- 56 - Monitoring the non-return valve
- 57 - Compensation for polymer batch-to-batch variations
- 58 - Inline addition of additives
- 59 - Measuring insert temperature
- 60 - Reducing warpage
- 61 - Improved processing of recycled materials
- 62 - Measuring the curing process of 2K resins
- 63 - Measuring the degree of cure of 2K resins
- 64 - Reaction monitoring in the chemical industry
- 65 - Reaction monitoring in polymer production
- 66 - Inline MFI measurement and control

67 - Inline MVR measurement

68 - Monitoring injection work / energy consumption

69 - Application-specific quality documentation

70 - Measuring and documenting melt quality

71 - Measuring and tracking melt degradation

72 - Measuring and tracking melt aging

73 - Recycling and regrind processing, with measurement, better process control is possible ...

74 - Measuring temperature profiles in the melt flow

75 - Measuring temperature gradients

76 - Measurement technology for PTFE processing

77 - Melt thermometers