

IN-LINE STABILITY & DEGRADATION MEASUREMENT IN PHARMACEUTICAL POLYMER EXTRUSION



COURTESY OF LEISTRITZ
EXTRUSIONSTECHNIK GMBH
NUREMBERG, GERMANY



IN-LINE UV-VIS SPECTROSCOPY CAN BE USED AS A PAT TOOL TO MONITOR THE MELTING AND EXTRUSION OF WIDELY-USED PHARMACEUTICAL POLYMERS (TRANSPARENT OR OPAQUE)

KOLLIDON [®] VA64	✓	- VINYLPIRROLIDONE-VINYL ACETATE COPOLYMER
SOLUPLUS [®]	✓	- POLYVINYL CAPROLACTAM - POLYVINYL ACETATE
		- POLYETHYLENE GLYCOL GRAFT COPOLYMER
AFFINISOL [™]	✓	- HYPROMELLOSE ACETATE SUCCINATE
PLASDONE [™]	✓	- N-VINYLPYRROLIDONES
HPMCS	✓	- HYDROXYPROPYLMETHYL CELLULOSE
EVA	✓	- ETHYLENE - VINYL ACETATE
EUDRAGIT [™]	✓	- POLY(METH)ACRYLATES

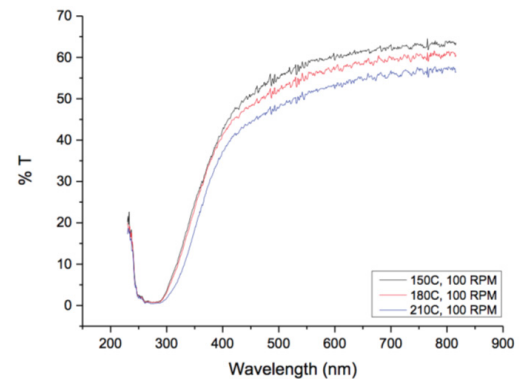
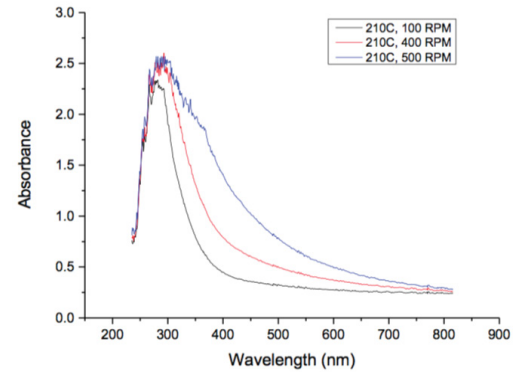
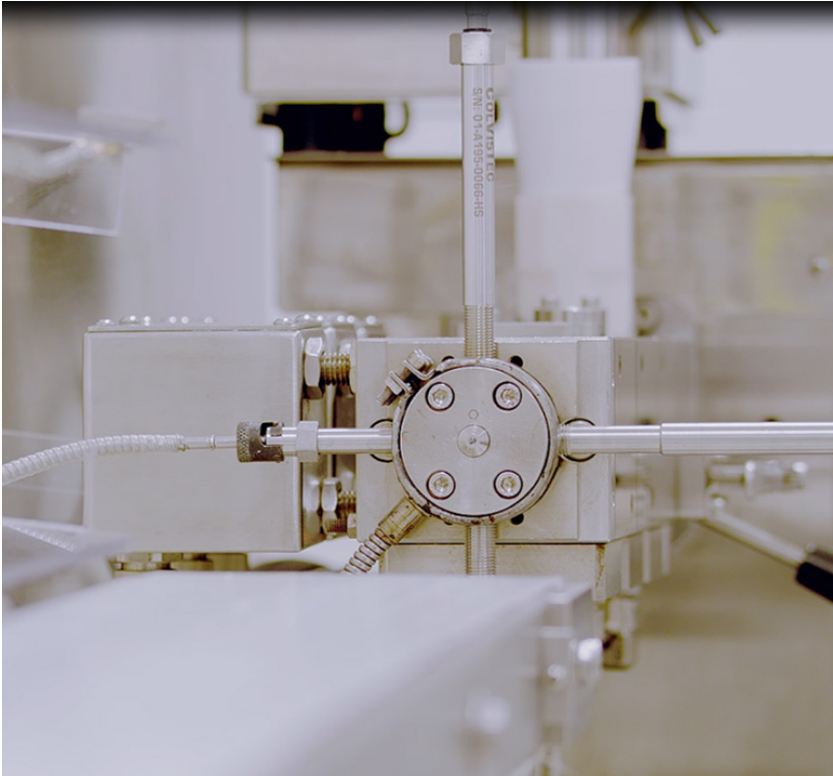


IMPROVE YOUR PROCESS
MONITORING WITH INLINE
UV-VIS SPECTROPHOTOMETRY



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PROCESS OPTIMISATION USING INLINE UV-VIS SPECTROPHOTOMETRY



SCREW SPEED, SCREW DESIGN AND BLOCK TEMPERATURE ALL AFFECT POLYMER DEGRADATION KINETICS

INLINE MONITORING CAN QUICKLY IDENTIFY THE OPTIMAL VALUES FOR EACH PARAMETER

OUR SPECVIEWER SOFTWARE MODULE ALLOWS LIVE SPECTRAL DATA TO BE VIEWED AS A "COLOR TIME-COURSE"

SPECVIEWER ALLOWS THE USER TO INTERROGATE WHOLE ABSORBANCE OR TRANSMISSION SPECTRA AND/OR SPECIFIC SPECTRAL REGIONS, EITHER IN AN ONLINE OR AN OFFLINE MODE



A MATHEMATICALLY-DERIVED COLOR REPRESENTATION OF ALL VISIBLE ABSORPTION SPECTRA CAN BE GENERATED

