

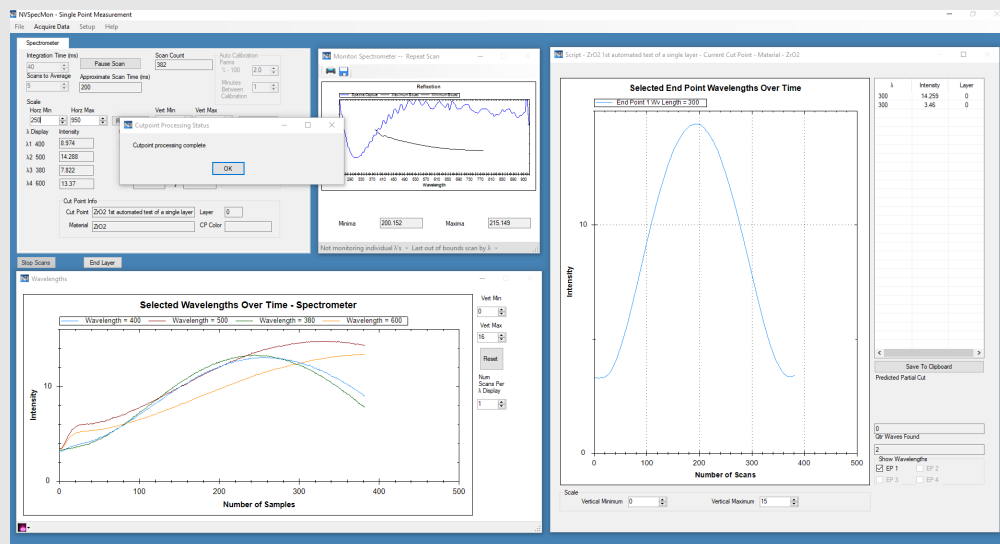
TELEMARK

In-situ Broadband Optical Monitor System

Advanced Multilayer Control

The Telemark Optical Monitoring System provides precision broadband spectral analysis for unprecedented control of multilayer optical films.

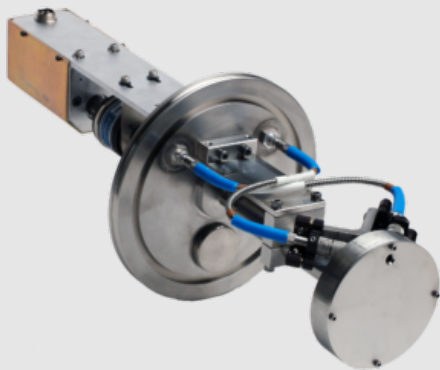
- Fiber coupled full spectrum broadband optical monitoring and control of thin film deposition
- Advanced cut-point algorithms for quarter-wave, partials, or broadband spectral analysis
- On-the-fly color calculation and color matching
- Simple digital I/O and advanced TCP-IP interface for easy system integration



In-situ Broadband Optical Monitor System

Available Standard Models			
Specifications	831	832	833
Detector Range (nm)	350-800	250-850	250-1040
Sample Acquisition Rate (Hz)	2-4	5-15	
Optical Resolution (nm/pixel)	1.5	0.1	0.18
Options			
Optical Witness Changer	•	•	•
TCP/IP Communication Module	•	•	•
Color Cut Point Module		•	•
Spectral Matching Module		•	•
Essential MacLeod Interface Module		•	•
External UV Light Source (200-380nm)		•	•
Extended Range Detector (1100nm-2500nm)			•

Optical Monitor Witness Glass Changer



- Up to 54 monitoring positions on a single 75 mm \varnothing disk
- Transmission, front surface reflection, or back surface reflection
- Automatic position indexing
- Quartz Crystal Rate Sensor port
- Provides complete optical monitoring solution on a single ISO160 flange
- ISO100 flange option provides 6 positions on a 25 mm \varnothing disk