

Davinor LayerGauge™ Model Comparison

	LG16	LG22	LG32
Multilayer thickness measurement of coextruded plastics	✓	✓	✓
Optical measurement technique: Interferometer, R.I. Method	✓	✓	✓
Manual sample handling	✓		
Automatic profile sample handling		✓	✓
Programmable number of measuring points and distances between points	✓	✓	✓
Minimum number of layers measured: 1 to 16	✓	✓	✓
Maximum number of layers measured: Unlimited	✓	✓	✓
Maximum total thickness range: microns/mils	380 / 15	635 / 25	635 / 25
Minimum layer thickness detected: microns/mils	2 / 0.08	2 / 0.08	2 / 0.08
Drive Mechanism			
None	✓		
Fixed infeed tension with weighted disc		✓	
Adjustable infeed tension controlled by potentiometer			✓
Vacuum hold down of sample (optional)	✓		✓
Shallow measurement dome	✓		
Mid-height measurement dome (standard)		✓	✓
Shallow or mid-height measurement dome (customer selection)			✓
Calibration: software-driven procedure	✓	✓	✓
Guide rollers on either side of sensor: fixed position		✓	
Guide rollers on either side of sensor: adjustable height			✓
Sample roller movement controlled by M-Flex™ software			
Brake tension and speed			✓
Unwind and rewind rollers for convenient sample handling			✓
M-Flex™ Software Features			
Report: thickness profile graph, tolerance graph, numerical data report	✓	✓	✓
Layer parameter inputs: number of layers, layer name, pre-defined			
R.I. values for polymers, nominal thickness	✓	✓	✓
Profile parameter inputs: gauge range, scans in point, length, location spacing	✓	✓	✓
Notes field	✓	✓	✓
Switchable measurement units (English, SI)	✓	✓	✓
Profile parameter entry: adds number of points, point spacing		✓	
Profile parameter entry: adds number of points, point spacing, tension force			✓
Profile parameter entry: adds first location, number of locations			✓
Layer Table adds search type, search window TOL, minimum intensity		✓	✓
Retry spacing, number of retries, noise level		✓	✓
Filter (all, medium, heavy)		✓	✓
Auto noise (low, medium, high)		✓	✓
Peak width (narrow, medium, wide)		✓	✓
First peak (any, medium, high)		✓	✓
Matt surface (off, on)		✓	✓
Adaptive window (off, on)		✓	✓
Automatic report printing		✓	✓
Custom reports (2 available via pulldown menu)		✓	✓