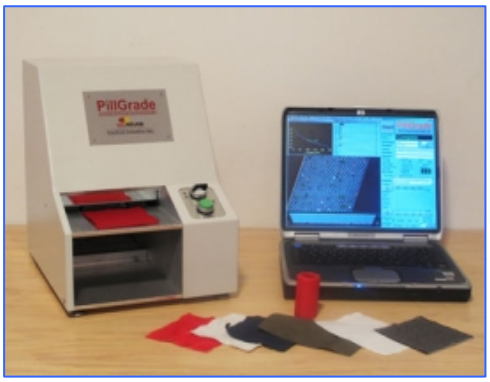
M227G PILLGRADE AUTOMATED PILLING GRADING SYSTEM



The PillGrade system is a 3D fabric scanning system that uses patent pending technology to objectively and repeatedly grade fabric swatches for surface properties. The system outputs pilling and fuzziness data, in addition to the 1.0-5.0 pilling grade according to both ASTM and ISO standards. PillGrade's unique approach to vision inspection enables the system to scan and grade fabrics of any weight, color and pattern.
Advantages:
Ensures objective, repeatable grades
Ensures agreement throughout textile supply chain
Easy and fast (~5 seconds) to operate
Correlates to ASTM & ISO grade scale
Compiles production/supplier pill data
Measures and grades fuzziness
PillGrade also grades snags
Fabric Ty;es & Sizes:
Any woven, nonwoven, knit, fleece, automotive, any blend or material.
Fabric patterns and colors are ""invisible"" to PillGrade. Specimen size rang is 4"" x 4"" (10cm x 10cm) to 6"" x 6"" (150mm x 150mm)
Output:
Printout (with area for attaching specimen)
Excel data file(.csv format)
PDF for e-mailing (with Acrobat installation)
Data:
Quantity of pills
Histogram of pill sizes
Average pill size
Pill density (pill/in2 and pills/cm2)
Fuzz loft
Multiple specimen averaging test
1.0 - 5.0 pilling grade
PillGrade includes:
Enclosure with rubber feet
Motorized feed system
Industrial CCD camera with optics
1.0-5.0 pilling grade
PillGrade includes:
Enclosure with rubber feet
Motorized feed system
Industrial CCD camera with optics
LED back light module
LED top light module
Control electronics
Control panel
PillGrade software
Minimum PC Requirements:
5 GB HDD
1.5 GHz CPU
256MB RAM
2 X USB ports OR 1 x USB port and 1 x 9 pin serial port
1 available IEEE-1394 (firewire) port (either on board or PCI card)
Windows 2000 or Windows XP operating system

Power:
100-240 VAC / 50-60 Hz (please specify)

Product Weight

12 kg	26 lb

Product Dimensions

Width:	600 mm		**Depth:**	600 mm		**Height:**	600 mm
	24 inch			24 inch			24 inch

Testing Standards

ASTM D3512	ASTM D4970	ISO 12945-1