



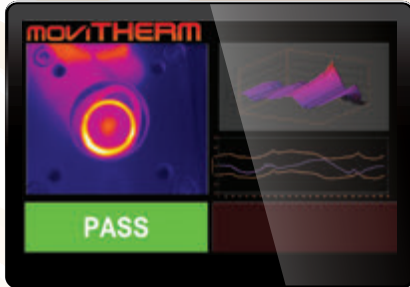
PLASTIC-WELD-CHECK

Key System Benefits:

- ✓ 100% Inspection
- ✓ Verify Weld Quality
- ✓ Ensure Repeatability and Part Uniformity
- ✓ Statistical Process Control
- ✓ Non-contact, High Speed Inspection
- ✓ Validate Source Plastic Consistency

PLASTIC-WELD-CHECK

Ultrasonic Welding is a quick and economical way to join and seal plastic parts without fasteners, adhesives, or an external heat source. MoviTHERM PWC (Plastic Weld Check) Systems add value to your Ultrasonic Welding investment by verifying weld integrity in real-time, as new parts are produced.



The MoviTHERM PWC uses advanced thermal (IR) imaging to measure temperatures along the geometry of each weld. This data can be used to verify weld recipes, and track the consistency of your yield over time.



Start improving your process today!

Technical Data

	PWC-320 System	PWC-640 System
IR Resolution	320 x 256 pixels	640 x 512 pixels
Lens Options (Field of View)	7.6°, 13°, 24°, 48° or 63°	6.2°, 12.4°, 25°, 45° or 90°
IR Frames per Second	60 fps (max)	30 fps (max)
Measurement Target Temperature Ranges	High Resolution: -25°C to 135°C (-13 to 275°F) Extended Range: -40°C to 550°C (-40 to 1022°F)	
Temperature Resolution	0.05°C (0.09°F)	
Analysis PC and Software	<ul style="list-style-type: none"> ✓ Panel PC w/Touchscreen ✓ Optional NEMA4 Industrial Enclosure ✓ Recipe Manager with programmable inspection regions ✓ Data logging and image archiving ✓ Temperature Trend Graph ✓ 24VDC discrete digital I/O ✓ 4-20mA (Current Loop) analog output ✓ Industrial I/O & Communications Interface (Ethernet) 	