Touchscreen Quality Assessment

Name of Inspector				Date/Time of Inspection	
Production Number		Machine Type		Monitor/HMI/Controller Brand	
Product Number		Machine Brand/Name		Monitor/HMI/Controller Model	

Inspection / Assessment	Inspection Detail	Operator	Result
Functional Assessment	Responsiveness Check: Confirm that the touchscreen accurately registers and responds to touch inputs.		
	Erratic Behavior Monitoring: Observe for any erratic behavior or unintended inputs, indicating potential internal errors.		
	Calibration Consistency: Verify that the touchscreen maintains its calibration settings and accurately tracks touch points over time.		
	Multi-Touch Functionality: If applicable, ensure multi-touch gestures are recognized and correctly interpreted by the system.		
Physical Inspection	Surface Examination: Look for cracks, scratches, or any form of physical damage that might impair visibility or touch sensitivity.		
	Edge Inspection: Check the edges and corners for signs of lifting or separation, which could indicate underlying issues.		
	Discoloration and Fading: Observe the screen for any areas of discoloration, fading, or uneven brightness, which can signal a failing display.		
Performance Evaluation	Speed and Accuracy: Assess the speed and accuracy of touch input recognition and execution.		
	Display Quality: Ensure that the display quality (brightness, color, contrast) remains consistent and clear.		
	Recurring Errors: Monitor for recurring errors or issues that interrupt normal operation, which might indicate deeper malfunctions.		
Environmental Factors	Temperature Effects: Check if the screen's performance is adversely affected by variations in temperature.		
	Moisture and Dust Resistance: Ensure that the screen is not affected by moisture or dust, especially in harsh industrial environments.		
Maintenance and Care	Cleaning Routine: Verify that the screen is cleaned regularly with appropriate, manufacturer-recommended solutions and materials.		
	Physical Handling: Ensure that the screen is not subjected to excessive force or pressure during regular use.		
Firmware and Software	Update Regularity: Confirm that the firmware and software of the PanelView are up-to-date, ensuring optimal performance and compatibility.		
	System Integration: Check that the touchscreen is functioning seamlessly with the overall system, without any compatibility or integration issues.		

OVERALL FINDINGS / RECOMMENDATIONS	