



TUCKER Industrial Solutions

PREVENTIVE MAINTENANCE

TIS provides reliable Preventive Maintenance on most Industrial Control Equipment. Our goal is to identify potential problems and recommend solutions before failures occur causing unscheduled costly downtime.

What Is Involved In Routine Preventive Maintenance?

Clean The Equipment:

Dust and other foreign materials can create cooling problems, hide damaged components, cause corrosion, cause arching and other damages.

Check Motor Resistance and Connections:

Motors often show changes in resistance prior to failure.

Verify All Power Connections:

Power connections can loosen over time due to heat related expansion and vibration. Loose power connections cause fuse blowing, breaker trips, damage to terminal strips, insulation failure and ground faults.

Verify Power Supplies For Tolerance:

Power supplies can drift out of tolerance due to electronic component failure. This will eventually cause a complete power supply shutdown.

Observe Relevant Wave Forms For The Best Operation:

Routine checks are performed on the supplies, output waveforms, reference signals and feedback signals. This often reveals hidden problems.

Verify Signal Wiring, Properly Terminated Shielding and Tight Connections:

Improper shielding can cause intermittent and erratic behavior of drive equipment. Loose signal wire is a primary cause of drive equipment downtime.

Backup PLC/HMI Programs and VFD Parameters:

Once the PLC/HMI programs and VFD parameters are backed up, routine checks are performed to search for any changes that may indicate possible future equipment failure. Bi-annual backups, updates and upgrades for efficiency are also available.