

# Fives ProCheck



Prevent production interruptions, avert imminent failures, confirm machine condition before a crucial run with the Fives ProCheck, cost-effective testing for machine and equipment reliability.

In **under three hours** and at a minimal cost, our comprehensive ProCheck will inspect:

- 3-axis kinematics and servo responses - confirm x, y, z alignment for greatest reduction in scrap
- Spindle, run-out and clamping force - ensure optimal tool changes
- Bearing vibration, noise and heat signature - prevent bearing failures
- Cabinet electrical connections - discover loose electrical connections or nuisance faults
- Motor and Pump - check vibration and heat, prevent unplanned motor/pump failures
- Coolant Condition - check concentration and pH level

The Fives ProCheck is economical and there is minimal downtime required, so strategize to stay ahead. The ProCheck can be utilized on any machine tool and employed for inspecting equipment in most industrial settings. It's cost-effective for manufacturers of any size.

- Low-impact and proactive maintenance check
- Check machine condition prior to crucial production run
- Condition check before sale or acquisition

Inspections can be made on any machine tool, regardless of manufacturer, and other applications such as production or assembly lines and factory support equipment.

#### Fives ProCheck Tests

##### 1 ) 3-axis kinematics, servo responses and alignment

- All linear axes
- Servo response
- Lost motion/backlash

##### 2 ) Spindle Check

- Spindle run-out
- Drawbar force

##### 3 ) Bearings

- Vibration
- Noise
- Heat

##### 4 ) Electrical

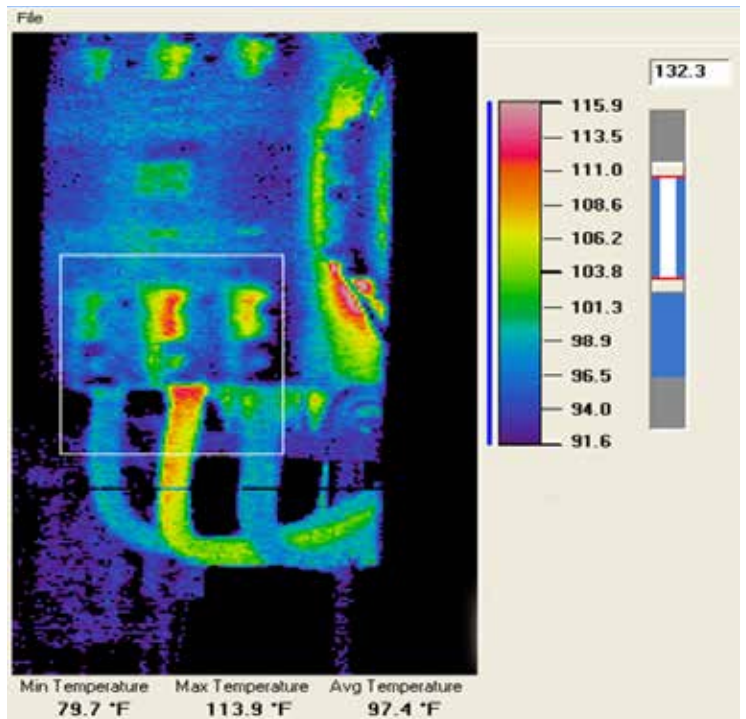
- Cabinets and connections
- Grounding
- Current leakage

##### 5 ) Motors and Pumps

- Vibration
- Heat
- Cavitation

##### 6 ) Coolant Checks

- Concentration
- Levels, including pH



Locate electrical hot spots



Ground fault detection



Bearing fault analysis



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