

# Diagnostic Wizard

## Intelligent Burner Troubleshooting Assistant



FHinfinity Xtra

**Diagnostic Wizard**® is a proprietary, interactive troubleshooting module within FHinfinity®'s *FH-Xtra* workspace, specifically designed to diagnose complex burner-related operational issues. Unlike static manuals, this tool employs a dynamic, question-driven workflow that adapts in real-time based on user responses, guiding operators and engineers through a logical deduction process to pinpoint the exact root cause of combustion problems.

### .Key Technical Features

**Curated Problem Library:** Pre-loaded with the 8 most common burner issues encountered in field operations.

#### Dynamic Q&A Engine:

- Presents targeted, context-aware questions based on previous answers.
- Automatically narrows down potential causes by eliminating irrelevant paths.
- Allows users to click "Back" to revisit decisions or "Start Over" to reset the diagnostic session, ensuring flexibility and control.

**Actionable Recommendations:** Once the root cause is identified, the wizard provides clear, step-by-step corrective actions tailored to the specific issue (e.g., adjusting steam-to-oil ratio, inspecting primary air registers, or replacing damaged tips).

**Comprehensive Reporting:** Generates a detailed report summarizing the entire diagnostic journey, including selected problem path, user responses and system logic, final diagnosis and recommended solutions, exportable to PDF, Word, or HTML for documentation, team review, or vendor communication.

### Operational Workflow & Integration

- **Select Initial Problem:** Choose the observed symptom from the pre-loaded list.
- **Answer Guided Questions:** Respond to yes/no or multiple-choice questions about operating conditions.
- **Follow Dynamic Path:** The wizard advances to the next relevant question based on your input, dynamically refining the search for the root cause.
- **Receive Diagnosis & Solution:** Upon completion, the tool displays the identified root cause and provides specific corrective actions.

