



PQ OVENS

Exceeding Expectations Every Day

Oven Installation & Service Guide

Precision Quincy Ovens
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Exceeding Expectations Every Day

Precision Quincy has been an industry leader in the oven manufacturer industry for over fifty years. We are committed to providing the highest levels of service and support to every customer to ensure optimal oven performance. Our service technicians are highly trained Precision Quincy employees with years of experience in the industrial ovens industry. We investigate the cause of the oven failure and make every attempt to ensure that your oven runs at peak performance each day. Each installation and service visit is designed to provide our customers with an experience beyond expectations.

The PQ Service team is available to assist your company in several areas. Contact us today to begin the experience!

Oven Installation

PQ offers a variety of oven installation options designed to meet the needs of your company. Our trained experts can provide all levels of installation support to ensure that your oven is installed correctly and performs at the highest levels from the first day forward. Customized service packages are also available upon request.

Preventative Maintenance

Planned maintenance and calibration are critical to optimal oven performance. We have several packages that will give you the peace of mind that the investment made in your oven will provide the performance you expect for years to come.

Emergency Services

In the event of an emergency or shut down, PQ is by your side. PQ's service team will be at your facility as soon as possible, in most cases within 24 hours. We will troubleshoot and make necessary repairs to get your oven operational.

Oven Refurbishment

Have an older oven that needs to be refurbished? Sometimes it is more cost effective to rebuild your current oven than purchase a new one. The Precision Quincy team will evaluate your oven and offer options to meet your goals.



It is always our goal to provide our customers with the highest quality equipment on the market. To this end, we strongly suggest that you choose one of our start up/installation offerings. This provides you with quick implementation of your new purchase that is completely hassle free. Our guarantee is that when we walk out of your door, the oven is fully functional, and your staff is trained on how to use it as well as how to maintain it. At the end of the day, this is a capitol equipment purchase. Allow us to install it and eliminate the start up issues that you would otherwise incur.

Proper Oven Installation is critical to the overall operation of your facility in many ways:

- Energy Efficiency
- Production Efficiency
- Compliance with Quality Control Programs
- Reduced Cost of Rework from Improper Cure

There are several types of oven installation packages to meet the needs of your company. Custom packages are also available.

Start-up & Training

With this basic installation service, the PQ installation team will arrive once the oven is in place for start up, to make any adjustments, and provide basic training.

*Customers are responsible for installation of electric, gas, ducting, unloading, placement.

Supervised Installation

This is the most common installation plan. With this service, the PQ team is available for pre-delivery consultation & will work with customer's installation team on an advisory basis to ensure that the oven installation is conducted properly. The PQ installation team will then be on-site from the time the oven arrives to supervise unloading and oven placement. The team will also start up the oven, make any adjustments, and provide basic training on oven operation and maintenance.

*Customers are responsible for installation of electric, gas, ducting, unloading, placement.

Turn Key Installation

This comprehensive installation is best for customers who would like the peace of mind of having PQ manage the entire installation process. PQ assumes all responsibility for the entire installation and startup process. Prior to oven delivery, PQ will identify and hire all necessary local contractors required for the project.

*Once the oven is delivered, the PQ staff will be on site to arrives to manage unloading, placement, electric, gas, ducting, installation, operation, adjustments, and training.



Activity	Start Up Installation	Supervised Installation	Turn Key Installation
Power & gas to oven location	Customer	Customer / PQ advise	PQ
Exhaust stack design & installation	Customer	Customer / PQ advise	PQ
Oven unload, placement, leveling	Customer	Customer / PQ advise	PQ
Reassembly (when appropriate)	Customer	PQ	PQ
Final hook up of power & gas	Customer	PQ	PQ
Start-up (20+ items to verify optimal performance)	PQ	PQ	PQ
Operator training	PQ	PQ	PQ
Maintenance training	PQ	PQ	PQ
Duration	1 Day	2+ days	5+ days
Est. Cost (varies based on oven type, oven size, location)	\$2,500 - \$3,500	\$3,500 - \$7,000	\$7,000+

Preventative Maintenance

Preventative maintenance is the best way to keep your equipment in optimal working order. This will maintain optimal performance, minimize unscheduled downtime, and extend the overall life of the equipment.

By choosing one of PQ's Preventative Maintenance Programs, your oven will be serviced by those that know your equipment best; ensuring long term performance and reliability of your oven. The Preventative Maintenance Service Programs are designed to suit the individual needs of any company. Contact us today to discuss our Preventative Maintenance options.

Activity	Basic	Comprehensive	Full Service	Premium
Comprehensive Oven Inspection	✓	✓	✓	✓
Clean Fan Wheels		✓	✓	✓
Clean Gas Train		✓	✓	✓
Oven Balancing	✓	✓	✓	✓
Door Adjustments		✓	✓	✓
Louver Adjustments		✓	✓	✓
Control Calibration	✓	✓	✓	✓
NFPA Safety Testing	✓	✓	✓	✓
10 Point Uniformity Profile			✓	✓
Onsite Maintenance Training				✓

Benefits of Preventative Maintenance:

- *Minimize costly downtime*
- *Reduce unscheduled maintenance*
- *Optimize machinery performance*
- *Ensure quality products*



Our Service Team is focused on keeping your ovens running efficiently

We are committed to keep our customers up and running. Our willingness and ability to analyze and solve problems is one of the reasons we are considered a leader in the field.

Every employee is potentially a part of our service group. This provides an in-depth, hands-on experience and expertise in state-of-the-art as well as vintage technology.

We support all oven manufacturer's equipment

Scheduled or unscheduled repairs are a fact of life with all manufacturer's equipment. Our management and service staff have extensive industry wide experience with many different types of ovens and control technologies. Thorough manufacturing and application know-how enables us to troubleshoot a problem and provide the best solution regardless of the original manufacturer . . . even on ovens of companies no longer in business.



“A customers coating was not curing properly and we thought it was a small problem. After arriving, we found that the oven was running 30 degrees off. We completely reworked the oven and installed a new controller. Now they are running properly while saving time and money on energy, bad products and wasted supplies.”

PQ Service Manager- June 2013

PARTS:

Precision Quincy Ovens carries a full line of replacement parts for your equipment.

We have parts for new and old equipment. If we don't have it we can quickly get it for you. We can also recommend spare parts that you should keep on hand for those equipment emergencies. Nothing costs more than downtime . . . you can reduce downtime by keeping parts for your equipment stocked in your inventory.

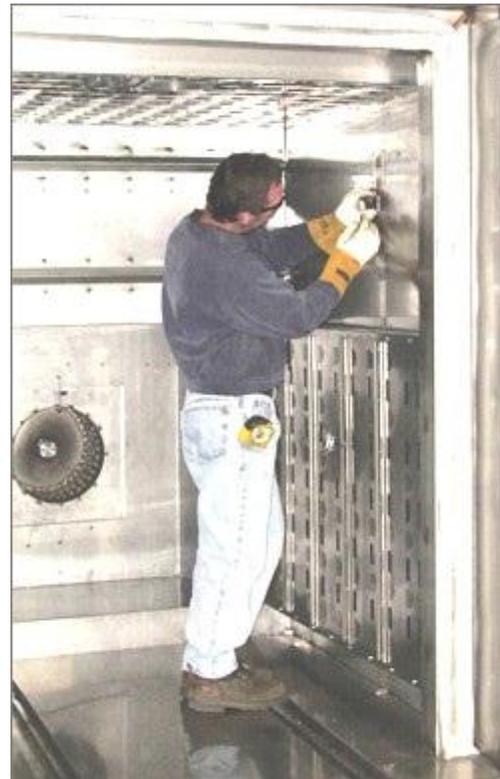
Precision Quincy Ovens service personnel are available to evaluate your unique situation and assist you in making the most suitable and cost effective choice for your company. If you have an older oven or have introduced a new process since its installation, oven refurbishment may be an option for you.

Our customer service philosophy of dedicated, prompt quality service is an integral, strategic part of this company. We take a long term view that our business success is based on building solid customer relationships and ongoing partnerships.

PQ Ovens has full time, experienced service personnel that can be sent directly to your facility for service.

Service Capabilities:

- Oven relocation
- Doors replaced
- Electrical rewiring and upgrade
- Burner system upgrade
- Ductwork modification
- Complete rebuild



Case Study: Franklin Electric

This is a very large plant that manufactures ten major motor (submersible pump) products. The parts that need to be cured are the nuts and bolts of their product line and the 30 foot conveyor oven is buried in the center of the plant. To replace this oven would have cost approximately \$250,000 in addition to at least 3 weeks of lost production to remove the old oven, install the new one, and test it. To rebuild the oven took only a week during their already scheduled plant shut down for equipment maintenance and cost only \$45,000. This is a much better solution for the company because it saved them a significant amount of time and money.



Frequently Asked Questions

Can the PQ Service Representative fix non-PQ ovens?

Yes. PQ services all makes of ovens such as Wisconsin Oven, Despatch, Grieve, as well as custom ovens. Batch ovens and conveyor ovens can all be serviced by the PQ Service team.

How long will it take for the service visits?

Service visits range from a simple Preventative Maintenance call of 4 hours, to a complete installation that may take several days.

Can PQ help me with emergency repairs to my oven?

PQ is always ready to help by phone and in most cases can be at your facility within 48 hours or less

How often should my oven be calibrated?

Oven calibration should be done at least once a year. Some processes require a much higher frequency.

Why is it important to balance the oven?

Oven Balance will assure that all parts of the product are heated evenly. This will reduce run time and save energy.

What is NFPA safety testing?

National Fire and Protection Agency testing will help to make sure that you stay compliant with NFPA, and help to prevent any incidents of fire danger. It is a requirement for all gas ovens.

What is included with onsite maintenance training?

This Training will provide your maintenance staff with all the tools required to keep your oven running at peak performance and reduce overall operating cost and down time.

Why is it better to have PQ perform my oven calibration than a local HVAC company?

Most calibration companies only calibrate controls, not the entire oven to the controls. Precision Quincy calibrates the entire oven and can make any adjustments on site as required.

What is included in the Comprehensive Oven Inspection?

The Comprehensive Oven Inspection is a critical part of the initial service assessment. Here is a list of what we will do:

- Verify programmable controllers settings
- Verify that the equipment matches the original design to include a wiring inspection
- Inspect the burners or heater banks
- Inspect fan wheels, bearings, door latches, door seals, door hinges, fan belts and overall condition of oven
- Thoroughly clean each of the fan wheels to ensure maximum air flow
- Perform resistance test and amp draw test on heater banks (electric ovens)
- Slight disassembly of the burner for internal inspection and cleaning (gas ovens)
- Inspect and clean the igniter and flame rod (gas ovens only)
- Verify and adjust the inlet damper burner control, gas pressure settings, pilot light settings, and hi/lo pressure settings (gas ovens)
- Verify and adjust the air flow sensors to ensure safe and consistent operation
- Adjust the fresh air inlet and exhaust damper's as required
- Verify and adjust supply and return duct work louver settings as required
- Perform amp draw test on all motors
- Verify and adjust motor overload protection if required
- Properly program and tune/calibrate all temperature controllers to the oven



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