



## PRODUCT CATALOG

Solutions to ALL your process heating & combustion needs!

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ETTER Engineering office, circa 1960.

## Overview of ETTER Engineering

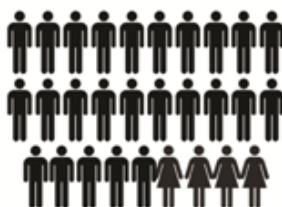
### Fast Facts:



Founded in 1940



Located in Bristol, CT



29 Team Members



Privately Held



Solid growth



Nationally Recognized

*3<sup>rd</sup> Generation*

Family Owned

Founded in 1940, ETTER Engineering is a leader in the Combustion and Process Heating Industries. We are experts in solving complex combustion challenges and we work closely with our customers to ensure that we deliver outstanding products and excellent customer service. At ETTER, we don't want customers; we want raving fans!

ETTER offers our products, solutions and services through our 5 company divisions;



ETTER Products – We manufacture and sell our own line of ETTER products. These products are developed through our ETTER Innovations process, where we identify customer challenges and develop innovative products. Our product lines and current product offerings are detailed in this catalog.



ETTER Solutions – We custom engineer and manufacture combustion and process heating products in our facility. From building furnaces, refurbishing ovens and furnaces, to building complex burner systems, we put our extensive combustion experience to work.



ETTER Distribution – We are the proud distributors of Hurst Boilers in CT, Webster Burners in CT and Western MA, and we distribute SIEMENS Combustion Controls, Cain Industries, Hauck, Kromschroder, Sensus, Honeywell, and Bryan Donkin as well as a variety of other parts. A detailed list is included on Page 17.



ETTER Service – We have well over 80 years of combustion service experience on staff. From annual combustion service audits, emergency and scheduled repairs, equipment upgrades and field problem solving, our team will get you up and running and keep your production lines well maintained. We are the team you call when others can't get it done!



ETTER Energy – We work closely with our customers to reduce expenditures on energy related upgrades and conversions, reduce energy expenditures through our network of gas, electric and biofuel suppliers and to obtain funding for capital projects with procurement and financing companies.

## Getting in touch with ETTER

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- ETTER BoilerWorx
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## The ETTER Way

We are deeply rooted in our history and proud of our recent growth. As a 3rd generation manufacturing company, located in Connecticut, we are extremely pleased with our selection to the INC 500|5000 fastest growing companies in America for 2013 and 2014. Our team has worked hard to diversify and grow our company and to create jobs and opportunities for growth in a challenging business economy. Our team at ETTER is our strategic difference in the marketplace and we continue to live and work by the ETTER Way.

The ETTER Way:

1. Make it bETTER.
2. Drive and embrace change.
3. Be focused, accountable and disciplined.
4. Put the team first.



## ETTER Products

### Our Product History

In 2009, ETTER created the ETTER Next Generation Gas Booster, or ENGB, an innovative breakthrough in gas booster technology. The ENGB line of products has expanded over the past 5 years to include several lines of gas boosters for many different applications. In 2013, ETTER expanded its product line offerings and in 2014 has branded the product lines as follows:



BoosterWorx is our full line of gas boosters, booster packages and booster systems.



ValveWorx is our full line of gas and oil valve trains.



SafetyWorx is our line of gas management and control systems and gas supervisory safety systems.



IntelliWorx is our line of intelligent monitoring, flow sensing and data acquisition products.



ControlWorx is our line of single burner control panels.



BoilerWorx is a family of enhanced operator interfaces designed to work with the SIEMENS LMV series of Linkage-less burner management systems.



## **ENGB and gasPOD Product Lines**

### **Description:**

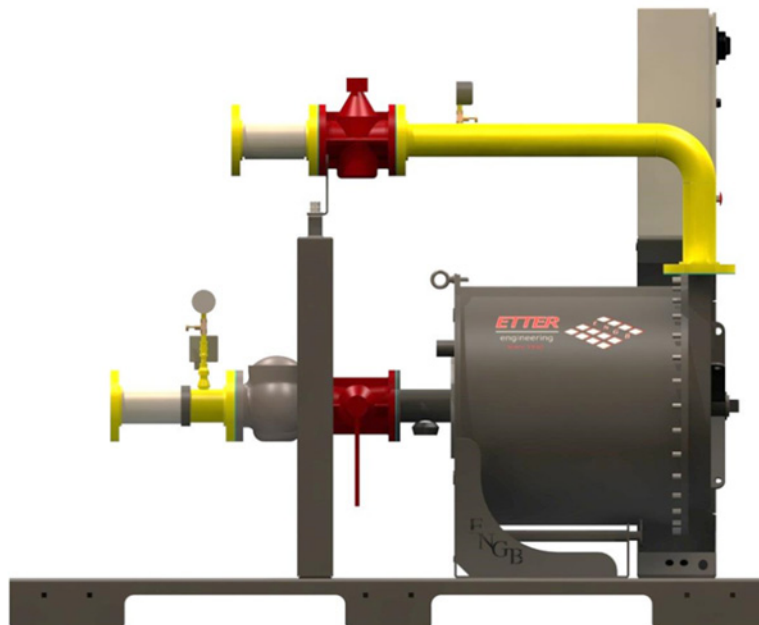
The ETTER Next Generation Booster (ENGB) is designed to increase the gas pressure from low pressure gas lines to provide sufficient gas pressure to operate gas-fired equipment in an effective and efficient manner.

### **Applications and Use:**

The ENGB is used in areas of aging gas infrastructure, low pressure gas lines, or in areas dictated by the Utility gas companies. In some instances, an ENGB may be necessary in populated areas with a high gas demand rate.

### **Designated Target Markets:**

Commercial and Industrial Contractors, Boiler and Burner Manufacturers and Distributors, Building Maintenance and Management Companies.



**To order, please call Jon Moore, or e-mail [jmoore@etterengineering.com](mailto:jmoore@etterengineering.com).**



## **E101P Product Line**

### **Description:**

The E101P is a small packaged booster and is designed to increase the gas pressure from low pressure gas lines to provide sufficient gas pressure to operate gas-fired equipment in an effective and efficient manner.

### **Applications and Use:**

Areas with low pressure gas lines or aging infrastructure. The E101P is typically dedicated to a single piece of gas fired equipment. One of the more common applications is elevating the gas supply to emergency and back-up generators. This could include cell towers, banks and other critical type installations requiring generator back-up systems to remain operable during electrical power outages.

### **Designated Target Markets:**

Consulting Engineers, Commercial and Industrial Contractors, Generator Distributors and Installers Cell Tower Manufacturers and Contractors, Cell Phone Companies and Contract Management firms working with Cell Phone Companies



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## **bioPOD Gas Booster**

### **Description:**

The ETTER BioPOD is a landfill and digester gas booster used in sour gas applications. It is a stainless steel booster, designed to allow for the remove of liquids and to last longer than a regular booster.

### **Applications and Use:**

Landfills, waste water treatment plants and digester gas applications. The BioPOD is used to increase the pressure of the gas created by these applications and to move it to a useful application.

### **Designated Target Markets:**

Landfill operators, waste water treatment consultants and engineers, local governments, and digester gas consulting companies.



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## ValveWorx

### Description:

The ETTER ValveWorx is our full line of Gas and Oil valve trains. Our valve train lines consist of complete valve trains, pilot valve trains, and valve train modules for both oil and gas, conforming to either NFPA-85 or NFPA-86, depending on the application. In addition, we can incorporate flow modules, meter modules, and regulator modules as needed, ensuring the valve train meets specifications.

### Applications and Use:

Industrial Ovens and Furnaces, Industrial Dryers, Thermal Oxidizers, NFPA-85 Boilers and Combustion Systems, Single and Multiple Burner Boilers, and Fluidized Bed Boilers.

### Designated Target Markets:

Industrial Process Heating companies and contractors, Boiler and Combustion systems manufacturers and distributors, general contractors and building management companies.



To order, please call Daryl Ritone, or e-mail [dritone@etterengineering.com](mailto:dritone@etterengineering.com).



## **SafetyWorx**

### **Description:**

The ETTER SafetyWorx is our Gas Control and Management Systems for applications such as Building Management Systems, School Chemistry Labs, Commercial Kitchens, including Automatic Isolation and CO2 Detection Systems with full Gas Supervisory Systems. Our systems are designed to give full control and management of systems for safe operations.

### **Applications and Use:**

The Safetyworx products are used in school laboratories and classrooms, commercial kitchens, main gas services and parking garages. An emerging market for SafetyWorx is central control of gas flow within a large building or commercial complex, bridging to Building Management Systems.

### **Designated Target Markets:**

Parking Garage Operators, Contractors, School Building Management Companies, Restaurant Construction Contractors and Companies, Design Engineers and Consultants.



**To order, please call Daryl Ritone, or e-mail [dritone@etterengineering.com](mailto:dritone@etterengineering.com).**



## IntelliWorx

### Description:

The ETTER IntelliWorx line of products includes the IntelliWorx EPM, our user friendly easily configurable control process monitoring systems that is used for testing, checking and monitoring process equipment for proper operations. The IntelliWorx EPM is capable of detecting complex process problems and allowing the maintenance team to solve problems quickly. Local and remote data access insure applications can be monitored anywhere.

The IntelliWorx EFS is our line of pitot tubes and pressure measurement instruments used to measure air flow.

### Applications and Use:

Industrial environments where combustion equipment is operated and needs monitoring and measurement tools to ensure efficient and effective operations.

### Designated Target Markets:

Companies using process heating applications, combustion equipment, OEM's and contractors that represent OEM's, general contractors and combustion consultants and large HVAC contractors.



To order, please call Daryl Ritone, or e-mail [dritone@etterengineering.com](mailto:dritone@etterengineering.com).



## ControlWorx

### Description:

The ETTER ControlWorx is a single burner control panel line of products, used to provide flame supervision and temperature control for a single process or boiler burner. The ControlWorx ECP monitors the burner flame for safe system operation.

### Applications and Use:

The ControlWorx ECP is used for Paint Drying, Oxidizers, Air Heaters, Incinerators, and Packaged Burners.

### Designated Target Markets:

Industrial Contractors and Burner Distributors.



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### Description:

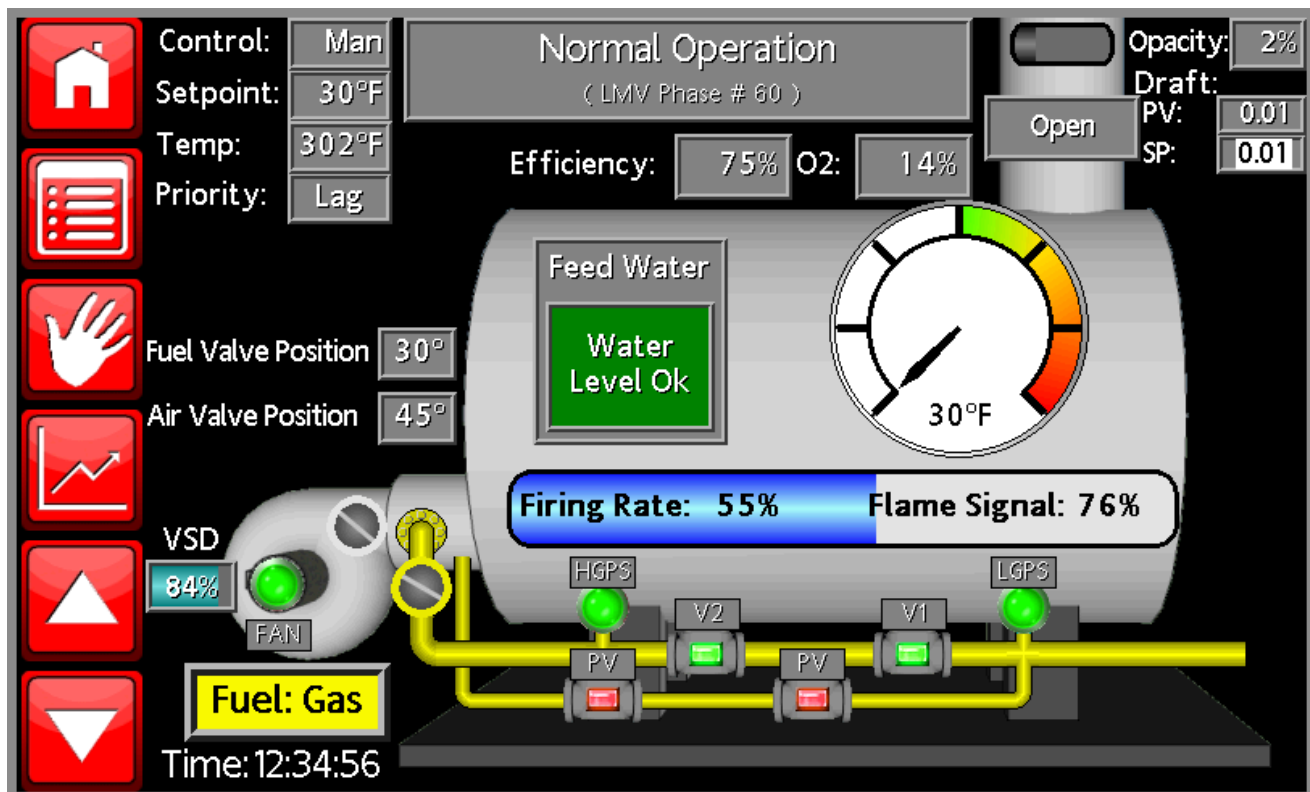
BoilerWorx is a family of Enhanced Operator Interfaces designed to work with numerous burner controls, including the SIEMENS LMV series of Linkage-less Burner Management Systems. The Operator Interface is a color touch screen which replaces the single line AZL for daily operations and provides graphical display of operating status, faults and alarms.

### Applications and Use:

Boiler management and user-friendly interface for graphical display of the boiler operations, remote communications, first outage annunciation and alarm logging. Packages are available for teaming multiple boilers in a "Lead-Lag" operation.

### Designated Target Markets:

Boiler distributors and contractors, boiler retrofit companies, boiler service companies, burner OEM's, burner representatives and distributors.



To order, please call Jon Moore, or e-mail [jmoore@etterengineering.com](mailto:jmoore@etterengineering.com).





## Custom Manufactured Solutions

### Description:

ETTER Custom Manufactured Solutions (CMS) is our custom engineering and manufacturing division. Current and past projects include building high temperature furnaces for industrial process heating applications, assembled burners and complex control systems.

### Applications and Use:

Industrial and Commercial concerns that utilize process heat in their manufacturing operations.

### Designated Target Markets:

Companies and Contractors in electronics, chemicals, petrochemicals, food and beverage processing, paint and metal finishing, packaging, pharmaceuticals, pulp/paper/wood/converting, plastics & rubber, and textiles. Companies such as aerospace manufacturing, firearms manufacturing, investment casting manufacturers, web drying applications, metal production companies and paper and pulp mills.



To order, please call Tom Etter, or e-mail [tetter@etterengineering.com](mailto:tetter@etterengineering.com).





ETTER Engineering proudly distributes Combustion Parts from many of the industry's most trusted brands. Parts sales are subject to territorial agreements. Please call for availability.



**Burners** - Direct and Indirect Air Heating - Furnace Type - Tube Firing - Atmospheric - Low and High Intensity Infrared - Single and Multi-Burner Systems

**Combustion Components** - Combustion Air Blowers - Ignition Pilots & Accessories - Pressure Gauges - Spark Plugs - Flame Rods - Air/Gas Mixers - Gas/Air Filters

**Controllers** - Temperature - Pressure - Process - Automation - DIN/Hybrid/PLC Style - Single and Multi-Loop - Software and PC-Based Systems - Thermocouples - Sensors - Transducers

**Flame Safety** - Single Burner - Multi-Burner - State of the Art PLC Processors and Touch Screen Controls - Flame Safeguard Sensors - First Outage Annunciation - Linkage-less Control Systems

**Gas Boosters** - Hermetic Gas Boosters - Packaged Booster Systems - Emergency Rental Boosters - Back Flow Check Valves - Integrated Control Systems and Panels

**Meters** - Natural Gas/LP/Oil/Water/Electric/Power - Diaphragm - Rotary - Sonic - Turbine - Vortex Shedding - Test Meters - Electronic Instrumentation and Remote Readout Packages - Data Logging and Software

**Pressure Switches** - Air and Gas - Pressure and Vacuum - Single and Dual Gas Pressure - Flow Switches - Ventless Gas Pressure Switches - Pressure Transducers - Integrated Packages with Control Panels.

**Recorders** - Single Pen Digital and Analog - Multi Pen - Circular Chart - Strip Chart - Paperless Recording - Controlling - Profiling - Replacement Charts & Pens

**Regulators** - Natural Gas, LP, and other gases - Pressure Reducing - Industrial and Combustion - Positive Lockup Type - Low, Intermediate and High Pressures/Flows - Specialty, including OPCO, UPCO, & Thermal Trip

**Valves** - Automatic and Safety Shut-Off Valves - Check Valves - Butterfly Valves - Actuator Motors - Solenoid Valves - Fire-Link Valves - Seismic (Earthquake) & Other Specialty Valves - Packaged Valve Pipe Trains



**Proudly Serving Our Customers Since 1940!**

For parts orders, please call Steve Breton or e-mail [sbreton@etterengineering.com](mailto:sbreton@etterengineering.com).



Thank you!

On behalf of the entire team at ETTER, I'd like to thank you! We truly appreciate your business and we are grateful for the trust you've placed in us. We are here to ensure your satisfaction!

A handwritten signature in blue ink, appearing to read "Tom Etter".

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