



# The 23-Kilo Revelation A

Patent Pending

01/03/24

*American Made, Hand Built Quality*

**Frame.** Heavy gauge all stainless steel body with a hand crafted cooler, cyclone, and a heavy-duty stainless steel drum. The cooler is designed to efficiently cool the coffee beans without the need for spraying water. Easily remove the cooler without any tools for simple cleaning. The cool running, external cyclone allows chaff to be collected before recirculating the roaster air through a catalyst and back into the heater. This intelligent design saves energy while cleaning the air for low NO<sub>x</sub> roasting. High quality 208-240 volt motors are used eliminating the need for noisy chains or belts, insuring a long life and quiet operation. The Revelation A does not require an afterburner, providing an exhaust temperature of less than 600 degrees!



**Clean Air and Fuel Saving.** The Revelation uses air **recirculation** through a catalyst, which prevents the heavier non-aromatic compounds (that produce off-flavors) from reaching the drum. This design improves the flavor of your coffee while saving you energy and protecting the environment.

**Touch Screen Profiling.** This roaster uses a PLC based control system to automate each roast. Profile your roast manually or in “teach” mode. Teach mode allows the user to adjust several variables during a roast, while recording every action within a profile. Saving every change in real-time allows the user to have greater control over their roast while insuring repeatability. Profiles can also be manually created and changed by simply adding or modifying information on a chart. Save **over 1000 special recipes!** Users are able to change burner output, fan speed, temperature set point, time, and other roast aspects. Our control system allows you to **track and export data for every roast** for quality assurance. Advanced system includes overdrive to allow a roast to automatically adjust for room and bean temperature.

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**Easy to Use.** Once a roast profile is set, roasting is as easy as selecting the desired profile from easy to use touch screen menus and pressing start. Automatic drum discharge and cooling is included! Easy manual operation is also included.

**Safety.** To insure safety, the user can set over-temperatures for the drum and cyclone. Once the over-temperature conditions are met, a **water quench system** allows for the rapid cooling of either the drum or cyclone. It is important to note that the water quench system can be used at the end of the roast to cool the beans more quickly. The control system also provides overheating warning and other indicators along with electronic flame safety controls. The UL listed control panel is equipped with re-settable circuit breakers, motor overloads, and safety lockouts. Cooler is fitted with a slip clutch. All operator controls are 24 volt.





# The 23-Kilo Revelation A Practically Smokeless Roasting

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## Gas

- ⇒ 30 amps 230 volt single phase
- ⇒ 3/4" gas line 150K BTU supply
- ⇒ 3/8" water line 50 psi
- ⇒ 6' cooler and 8" cyclone Class A duct with roof penetration
- ⇒ Operates on about 1¢ per pound in energy usage

Weight 2500 lbs  
Height 91.09 in  
Width 113.67 in  
Depth 96.23 in

Two year parts warranty

Destoners and a variety of loaders are also available

Layout can be customized to fit your needs and location.

**Revelation Gas Roaster**  
**Stainless and Steel**  
**\$92,500**

All Stainless \$99,000



**Energy Consumption** (based on 50# per roast/four roasts per hour)

	23k roaster	US Roaster Corp 23k Revelation	Savings
Gas cost/hour	\$12.69	\$1.17	92.66/day
Cost per pound	.06345	.00585	463.32/week
Electric cost/hour	.378	.315	\$24,092.64/year
Cost per pound	.00189	.001575	



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## **Features and considerations.**

The Revelation A provides what is wanted by both you and your customers. Your customers want and buy Organic, Free trade, and other Earth Friendly products. Most are also concerned about the effects of pollution on the environment. Be the first in your market to show your customers that you care too! Rising energy costs and stricter regulations make it more difficult to be profitable. You need equipment that requires less operational time and lower maintenance costs. The Revelation A provides all of these advantages.

- Dual Heating Paths, Convection heating by air, and direct heating through heat transfer from the drum. Both adjustable to operator's needs
- Modular system is easy to set up and install.
- External temperatures run 25 –30 percent less than other roasters!
- UL Listed 508-a control system and US manufacture insures the finest quality materials and long operating life of your investment.
- System can operate other optional equipment, like loaders and destoners, and provides semi-automatic operation.
- Burner system is simple, reliable and adjustable with dual path heating for low oxygen environment for more flavorful beans as desired. It is a standard, stock system for local serviceability.
- Lower CO2 production than any other roaster.
- Cleanest operating roaster available with Award Winning roasts as proof.
- Optional Loaders , destoners ,Grinders and other coffee production equipment.

**Free One-on-one training session is provided in Oklahoma City!**

Contact us for information

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All local codes to be followed on install.

We reserve the right to make changes due to ongoing improvements.