



## **US ROASTER CORP**

Continental Brokers and Consultants, Inc.

Web Site: [www.usroastercorp.com](http://www.usroastercorp.com)

1530 West Main Street Oklahoma City, Oklahoma. USA. 73106

Phone (405) 232-1223 Fax (405) 232-1255

### ***70 Kilo Revelation Roaster* (patent pending)**

***70 Kilo batch (154 LB.)***

*Your source for ecologically friendly roasters*

*Built to last the Heavy weight all Durable Heavy Gauge Stainless*

**The environmental, socially, and economically responsible Roaster built in OKC USA. Burns cooler smoke and Drum smoke for fuel! Flavor robbing Water Quench is not required on normal Roasts (patent pending)**

*Ecologically friendly smokeless roasters with award winning roasts*

**The environmental, socially, and economically responsible Roaster built in OKC USA.**

**Features:** Semi-automatic (or manual) air gate operation of; drum door, green hopper, cooler door. Operates by touch screen manually or full profiling automation.

Full control of; Drum speed, Burner output, temperature, airflow, recirculation rate and more.

Catalytic profile to save energy, unit stays on low fire most of the time! Touch Screen Graphical Profiler/semi-auto with 8" color display allows easy operation.

Easy to service, clean and maintain. New easy open panels for cleaning. Fully featured UL 508-A listed and approved Industrial Electrical control system. **Cooler lifts off without tools for easiest cleaning. Heavy duty sanitary fitting will never wear out for easy pipe cleaning!**

**Automatic Catalytic blow down at end of day!**

The Roaster includes the following: Heavy duty adjustable drum housing; Stainless Steel heavy duty solid drum with stainless drum side covers; Double walled, insulated drum side panels; Separate chaff cyclone. Stainless steel cooler grate with oversized cooler Booster fan for fast cooling. 11 minute fast roast times if needed to second crack for an easy four full smokeless roasts Dark per hour. Includes quenching for both drum and cyclone and over temp sensors. Includes Dual heating system for drum and smoke removal. Support and upgrades of controls all based in our plant. Roaster control head is can be on a moveable floor stand. Customers are reporting saving on roast shrinkage that could pay for the roaster 1-3% is reported.

**Operator controls are 24 volts for your safety.**

**Cleaned Air from roaster is re-used which is normally wasted to provide "Clean Heat" and a very small Carbon footprint. No additional afterburner required. Operational cost in most areas for less than one cent per pound. Saving Energy helps the environment. Low nox burner(s) available at additional cost. Saves enough energy to pay for its self!**

Roaster Gas	\$189,161.00
Destoner with speed controller	\$ 11,045.00
Stainless Steel Vacuum loader / blower loader	\$ 10,290.00
with rolling weight cart	\$ 11,435.00

Programmable output Power Burner and drum fan speed and temperature controlled by PLC during roasting to follow a customer's roast profile. Control is also wireless and allows contact with iPad and desk top computers.

Air gates for operation of green bean charge, discharge of roasted coffee, and discharge of cooled coffee from cooler are standard.

All prices are FOB, Oklahoma City, OK 73106

See attached Specification Sheet for more detailed description.

Price includes training on your roaster at Oklahoma City prior to shipment.

Parts and labor Warranty of (1) year on all parts unless damaged from improper use or fire. Two years on parts, includes start-up tech and Spares Kit.

**Roaster Catalytic system removes organic smoke and CO-2 to be the cleanest Roaster.**

Electrical 90 amps at 240 Volt 3 phase. **Gas Roaster**, 400,000 BTU'S per hour 60 amps single

Specifications may change due to ongoing improvements.

Standard Roaster	Standard Afterburner	US Roaster Corp M.	USRC smart AftBrn	USR Revelation	Revelation Hybrid
600,000 BTU 9 Kilo watt hours	1,300,000 BTU 1 Kilo watt hours	450,000BTU 10 Kilo watt hours	1,000,000 BTU .8 Kilo watt hours	350,000 BTU 10 Kilo watt h	
800,000 BTU 10 Kw	1,500,000 BTU 1 Kilo watt hours	575,000 BTU 10 Kilo watt hours	1,200,000 BTU 1 Kilo watt hours	425,000 BTU 10 Kilo watt h	

#### Cost of operation Comparison

From Web sites

Standard

70 KILO	USRC Revelation	One hundred fifty-four	Pounds per Batch	4 roasts per hour
\$10.39	\$3.75	Gas cost per batch		
0.03310065	0.006087662	Per Pound		
1.05	1.05	Electric Cost per batch		
0.00170455	0.001704545	Per Pound		
0.03480519	0.007792208	Total Cost Per pound		

Savings	Pound	Day	Week	Yearly Savings
Save HYB	0.027205195	\$134.07	\$670.34	\$34,857.47
Save REV	0.027012987	\$133.12	\$665.60	\$34,611.20
				35 hours per week

Our US Roaster Corp 70 kilo uses an intelligent control of the afterburner, reduces the cost savings compared to the revelation model by 30%. Most Afterburners are not inter locked to the roaster and run at all times so the above figures are correct on most units sold and installed in the field only burning the drum smoke.

Fuel costs Based from Oklahoma rates Summer 2007

Natural Gas at \$10.71 Per 970 CF which equal roughly 989,400 BTUS Per Hour

Electrical Cost at 1 KWH at 10.5 cents

***Join the Revelation revolution for you and your customers.***

### ***Features and considerations.***

Provides what you and your customers want. Your customers want and buy Organic, Free trade and other Earth Friendly products; most are also concerned about pollution and the environment. Be the first in your market to do something to show them you care too! You need to be prepared to stay in business with higher energy costs that will continue to rise. Equipment that requires less time to operate and maintain will save costs also.

- Dual Heating Paths, Convection heating by air and direct heating though heat transfer though the drum, adjustable to operator needs.
- Roasters recirculation based on clean heated air coming back into the roast chamber, this prevents the dirty flat musty flavor of conventional recirculating systems!
- Allows control of the oxygen level in air stream during roasting. Many find that the coffee has better uniformity with fewer defects from scorching and tipping then conventional roasters. Coffee stays roaster fresh longer with this method.
- Afterburner not needed, Save the environment tons of toxic chemicals and gases per year. Be an Earth Friendly Roaster and do the right thing while you save money. It is getting a blessing for doing the right thing.
- Modular system is easy to set up and install.
- Cost savings in operating costs can pay for the new roaster in many cases in less than four years. If you need a new roaster, it will be like a "FREE ROASTER" that the utility and oil companies save you enough for your payment!
- Hybrid Fuel use. Medium and larger units are made to allow optional use of several types of fuel. Natural and renewable fuels that were not possible for use in quality coffee roasting are possible (i.e. soy or corn oils) or hydrogen.
- Advanced control system with profiling and PC link. Our control system was the first in the industry with advanced 15 second profiling and learn features built in!

- Advanced safeties in control system report problems with motors; burners and other components are built in and included. System is optionally expandable.
- UL Listed 508-a control system and US manufacture insures you for the finest quality and long life of your investment.
- Heavy gauge Stainless Steel Roasting Drum and Cooler for long life.
- Lower Heating and cooling costs in roasting room due to less make up air needs.
- Internal temperatures run 25 -30 percent less than other roasters!
- *Face the challenges that declining energy availability, which is causing, climate change, and environment decay today. Be a friend to the environment*
- How much will you be saving when fuel costs more-then triple again in the next ten years? The operational costs of an old fashioned roasting system could be putting you out of business instead of just eating your bottom line.

It is the end of the line for the old polluting and fuel hog old world style roaster! Get better roasts today!

*Please contact us to compare your cost saving to any other roaster with an after burner.*

New Layout keeps even thing in line All Stainless, please ask for Current Drawings.

