



# The 300-Kilo Millennium Coffee Roaster

Patent Pending

**American Made, Hand Built Quality**

300 K model recirculates the heat from the afterburner to save energy! Includes smoke removal on the cooling cyclone and new heat control to allow roaster to roast move like a shop roaster! Easy to operate and train Profiles, Wireless. Siemens PLC Available up grade.

- 300kiloMill Gas                      3-Phase / 208V /
- 300kiloMill Gas                      3-Phase / 480 V /

**NEW FOR 2017!** Stainless cooler liner, magnehelic gauges for air flow and gas pressure, digital environmental air temp gauge, and air dampener control at NO CHARGE. Recirculates clean heat.

## FRAME

- Heavy-duty stainless steel drum, cooler screen, and cooler liner
- Double insulated housings. Roaster Body is never HOT.
- Easy to service roaster fan and separate fan for cooler
- Removable cooler for easy cleaning with adjustable slip clutch
- Industrial gear drives for smooth operation of drum and cooler stirrer, with no bulky belts or noisy chains.
- Equipped with heavy duty direct drive steel-cooling fan.
- Heavy-duty motors with UL 508-A approved industrial control system and motors, adjustable overloads and contactors.
- Adjustable legs for ease of movement and cleaning
- Easy to adjust housing for the main drum bearing in designed to keep the bearing cooler and lubricated
- Grooved faceplate to seal drum for less product loss
- Water jet and precision milled steel parts made in-house



## SPECIFICATIONS

300 Kilo Model (660 lb) Coffee Roaster. Four roasts per hour. Designed for easy operation, low maintenance, and a long lifetime. Your choice of several standard colors, trim types and finishes.

Roaster features Robust design with intergrade Afterburner that allow recirculation of waste heat or the availability to not use it!

Siemens PLC Controls will allow more information to be picked up on condition of many of the drives and motor relays on the Roaster, New Graphic Touch Screen interface

## OPERATION

- 24 volt operator controls for safe operation. Low Temp on Body.
- Even and accurate heat controls;
- Full Ratio Control of power burners for even heating
- Free Standing cyclonic chaff collector.
- Standard lighted push button on-off switches, motor starters and overloads with fault protection.
- Two gas gauges provided for incoming gas pressure and outgoing gauge at gate valve to adjust burner output.
- Touch Screen Profiler has programmable and digital control
- All models include digital bean probe with controller and alarm and environment temp gauge

[1] Allow 18" clearance minimum for service. Dim's are estimated.

[2] Use Class A type positive pressure piping

[3] **Special note for Propane or bottled gas.** it is highly recommended for your safety that you purchase a quality propane regulator from a Professional source. You must have the correct regulator for the type of supply that you are connecting the roaster to. Changing supply type can or not having the regulator set to the pressure needs of the roaster or the source can be safety hazard and also damage the roaster. If you have needs for regulator please contact one of our Engineering staff for the correct one.

**US Roaster Corp**

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**American Made, Hand Built Quality****Model**

*300-Kilo Touchscreen Model  
included*

*Semi-automation with automatic roaster door and auto pro  
file start*

*Full automation comes with door control system and stack  
light system*

*Large PLC memory for 999 profiles*

*Wireless touchscreen to connect to iPhone/iPad*

*Air gates on cooler discharge and green bean hopper*

**Aesthetic Options**

- Polished stainless cooler
- Smooth or dimensional stainless or hammered copper drum wrap
- Dimensional patterned stainless drum wrap
- Hammered copper cooler wrap

**Aesthetic Options (continued)**

- Pin striping
- Two tone paint
- Clear coat over paint with metal flake
- Chrome bean chute
- Chrome face plate

**Operational Options**

- Maintenance hour meter
- Automatic quenching for drum or cyclone
- Bean light
- Install extra bean thermocouple for customers data logger
- Phidget with USB connection and two thermocouples installed
- Flow meter on water quenching
- Cooler Stirrer Speed
- Cleaning kit
- Roaster controls on control head
- Magnet in cooler discharge
- Eclipse or Maxon Power Burner Unit

**About Us.** The U.S. Roaster Corp. is famous for producing the world's finest roasters that create the best roasted coffee. Partnering with specialty coffee roast masters world-wide we have developed a roaster of superior design, unmatched quality, great reliability, and ease of use. Our Millennium line of roasters provide the roast master with unlimited profile capabilities and unparalleled roast quality. By the second crack you will know why the "Quality of the Roast" comes first at U.S. Roaster Corp.

**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.

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