

Roaster **EXPERT**



- Less roast shrinkage
- Better fuel efficiency
- Enhanced roasting accuracy
- Profile Roasting System – Temperature and Pressure control systems, for an optimized control of the roasting process
- Adjustable roasting times
- Special cooling Hopper
- Smokeless operation – built in afterburner
- Continuous pipe self cleaning system – (automatic clean out)
- Easily adjustable for regular or high yield coffee
- Intelligent Automatic Operation
- Internet access for upload / download of software updates and remote monitoring
- User friendly operation – Automatic computer reminder for common maintenance tasks
- Improved lifetime of the roaster parts
- Quality of construction and ease of maintenance
- CMS – Computer Monitoring System



ROASTER EXPERT

LILLA

EXPERT



Excellent Cost Benefit Relation

Lilla's low roast shrinkage and minimal fuel consumption leads to increased profits.

The accurate heat transfer control system and the flexibility of our Profile Roasting System make it possible to have a reduced shrinkage and incredible savings in the fuel consumption.

Cooling System

No other roaster combines a system of immediate partial cooling in the roaster drum and a new cooling hopper, which quickly drops the temperature of the roasted coffee. The process preserves the coffee's natural aromatic oils, resulting in better aroma, flavor and improved appearance.

Smoke Free

The roaster is equipped with a built in afterburner, which eliminates odors and visible emissions, and insures compliance with strictest environmental regulations without the use of catalytic plates.

Roasting is done exclusively by hot air: the combustion chamber is totally independent and separated from the roasting cylinder.

The coffee roasters come complete supplied with Chaff Collector, Combustion Chamber (with refractory lining), Cooling Hopper and PLC Control Panel. Assembly is simple and assistance is supplied by Lilla. Assembly is simple and technical assistance is available from Lilla.

Intelligent Automatic Operation

The intelligent Lilla system is the result of decades of experience, product of the partnership of our engineering and our customers' operational knowledge. The final result is a system of automation that excels in efficiency, productivity, safety and performance.

The intelligent system foresees failure possibilities and its consequences, establishing different procedures for each situation and implementing them automatically so that improper operation and damage to the product or equipment is avoided. This system provides easy adjustment for high yield, and different roasting times.

Profile Roasting System

The association of the profile roasting system with the precise pressure control gives an unique control and consistency to the roasting process, not found in any other coffee roaster on the market.

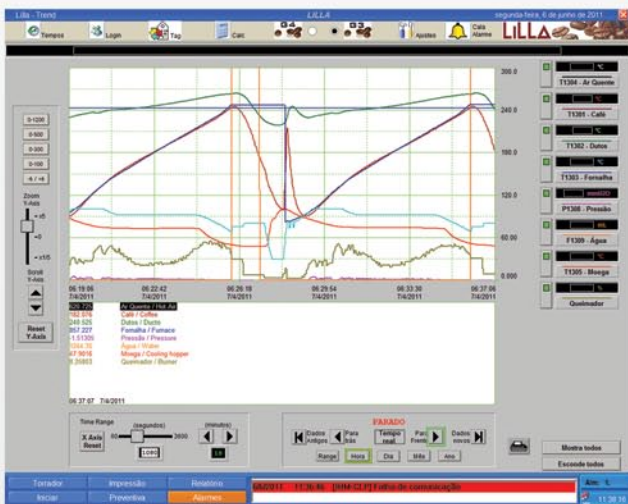
This, combined with the electronically controlled quenching system results in a consistency in the humidity and color of the roasted beans.

Hot Air Curve Temperature Control

This system allows the programming of a different temperature for each step of the roasting process. The control is done by a Programmable Logic Computer through a PID logic.

Roaster Pressure Control

This system allows an optimum thermal efficiency. It's done by modulating the internal pressure inside the roaster, providing a consistent roasting control and optimized fuel consumption.



MODEL EXPERT	CAPACITY PER BATCH Lb (Kg)	PRODUCTION PER HOUR WITHOUT PRE-HEATING SYSTEM (GREEN COFFEE) Lb / H / (Kg / H)	PRODUCTION PER HOUR WITH OPTIONAL PRE HEATING SYSTEM (GREEN COFFEE) Lb / H / (Kg / H)	ROASTING TIMES (MIN)	ROASTER DIMENSIONS			APPROX. NET WEIGHT Lb (Kg)
					Lengh (A) Ft (mm)	Width (B) Ft (mm)	Height (C) Ft (mm)	
350	65 - 130 (30 - 60)	660 (300)	770 (350)	6 - 18	13' - 5" (4100)	8' - 6" (2600)	12' (3650)	9590 (4350)
700	130 - 260 (60 - 120)	1320 (600)	1540 (700)	6 - 18	15' - 3" (4650)	11' (3350)	13' - 11" (4250)	13118 (5950)
1400	275 - 550 (125 - 250)	2750 (1250)	3080 (1400)	6 - 18	18' - 9" (5720)	13' - 7" (4140)	15' - 3" (4650)	17968 (8150)
2800	550 - 1100 (250 - 500)	5500 (2500)	6170 (2800)	6 - 18	21' - 9" (6600)	16' - 9" (5100)	17' - 9" (5400)	24582 (11150)

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