

# DRUM-TYPE ROASTER CTR-3000 / CTR-1500



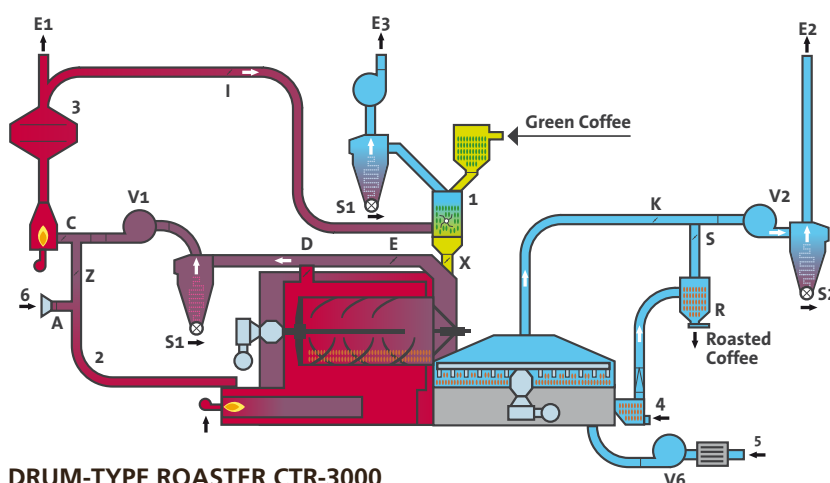
## DRUM-TYPE ROASTER CTR-3000 / CTR-1500

Neuhaus Neotec proudly present the new drum-type roaster CTR-3000 / CTR-1500. It is a customized machine for customers specialized in longer roasting times and traditional roasting. The market for special brands requires traditional roasting concepts. For this special purpose Neuhaus Neotec have designed a roasting machine which offers innovative solutions for traditional roasting. Neuhaus Neotec's long standing experience in the construction of roasting equipment is the basis for this sophisticated machine which is easy to operate and offers a high quality safety technique and an up-to-date energy concept. The CTR-3000 has been laid out for a capacity of up to 3 t/h. It is equipped with a modern control system – on request also available with profile roasting – and with the latest technical solutions which are unique on the market. Roasting companies who prefer a drum-type roaster can now also purchase complete lines by Neuhaus Neotec from one source and in a competent way; this will make planning, installation and commissioning safer and easier.

- Batch size: 230 - 330 kg resp. 450 - 660 kg
- Exact temperature measuring and indication
- Uniform roasting which can be exactly reproduced
- Efficient heat transfer due to continuous and intensive flow of roasting air through the batch.
- Roasting gases are circulated for saving energy. The burner which is situated under the roasting drum heats the circulating roasting gases to the set temperature level and stabilizes them by a control circuit. As an alternative the system can be operated as open unit.
- Only the air quantity which is produced as an additional quantity during roasting (combustion air and roasting gases) will be fed as exhaust gas to a catalytic cleaning unit. The required reaction

temperature will be generated by a support burner for subsequent cleaning of the exhaust gas by a catalyst with inserted ceramic modules. As alternative a thermal combustion unit can be supplied.

- The CTR-3000 / CTR-1500 is very easy to operate. The programmable logic controller (SPS) together with an operating panel allows automatic operation. The touch panel with operating keys is mounted directly at the roaster.
- We also offer the option to operate and control the process by a visualization system.
- Operation and process control are fully automatic.
- Roasting parameters can be secured as recipes.
- All important information is shown on the operating panel.



**DRUM-TYPE ROASTER CTR-3000**

- |                                   |                       |
|-----------------------------------|-----------------------|
| 1 Green Coffee preheating unit    | 4 Airlift destoner    |
| 2 Recirculation system            | 5 Outside air cooling |
| 3 Catalyst system with pre-burner | 6 Purge air           |

### Optional

- Profile- and Copy-Roasting.
- Second bin for green coffee for avoiding waiting times.
- Uniform roasting which can be exactly reproduced
- Preheating of the green coffee batch by direct or indirect hot air. This will save energy and increase the roasting capacity.
- Cooling by fresh air, cooling air is not sucked from inside the building, but supplied from outside. This will ensure more efficient and quicker cooling.
- An adjustable exhaust gas flap especially for very dark roasting.
- Sound absorbers in the exhaust gas duct for minimizing noise.
- Thermal cleaning of the roasting circuit.
- Online measuring of colour and moisture.