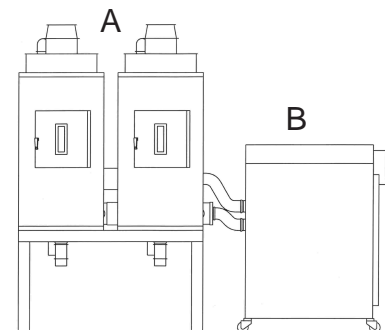


Typical application of a dry air drying system.

- A Drying hopper
- B Dry Air Dryer

Component B is described below.



Brief Description

Application

For the drying of thermoplastic granules and re-grind, independent of climate or ambient air conditions, before processing to remove all remaining moisture from the granules both inside and out.

- Colortronic drying systems are designed for continuous, 24 hour operation
- Colortronic drying systems meet all CE requirements

Rugged, modular construction

Colortronic dry air dryers operate on the principle of absorption. Under this principle, the air is not heated, rather the moisture is absorbed and removed from it inside the drying hopper. Through this technology plastic granules can be dried to extremely low residual moisture levels (i.e. 0.002% with PET). Colortronic CT 110/160 dry air dryers have 2 drying cells which continuously maintain a dew point level of up to -60°C . Because our air flow is constant, we maintain zero temperature change during the drying process.

Colortronic dry air dryers are virtually maintenance free. Only the air filters required routine cleaning or change out.



Technical Information

Basic Version

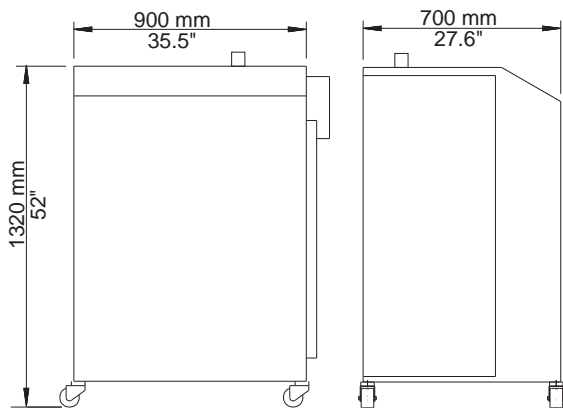
- Designed for optimal regeneration time due to constant monitoring of the moisture level in the drying cells or desiccant beds
- Automatic alarm clock or timer
- Central temperature controls for all heating elements to ensure constant temperature levels
- Safety temperature limiter for all heaters
- Dry contact alarm output
- Optical alarm indication
- Maintenance free air valves

Performance

- Air drying capacity
CTT 110: 110 m³/h
CTT 160: 160 m³/h
- Operates with 400 V +/-10%, 3AC, 50 Hz voltage
- Connected load
CTT 110: 3.2 kw +max. 9 kw hopper heaters
CTT 160: 3.6 kw +max. 9 kw hopper heaters
- Average dewpoint temperature of -50° C (- 76 °F)

Optional Equipment

- Dew point display
- Return air cooler for processing high temperatures
- Special voltage
- Special color
- Pre-air filter



	Drying Cap. CTT 110		Drying Cap. CTT 160		Drying temp.		Dwell time
	kg/hr	lbs/hr	kg/hr	lbs/hr	°C	°F	
ABS	80	180	110	240	80	176	2-3
ASA	70	150	110	240	100	212	3
CA	40	90	60	130	60	140	2-3
CP	40	90	60	130	75	167	2-3
EVA	40	90	60	130	80	176	2-3
Ionomere	40	90	60	130	90	194	3.5
PA11	2) 50	110	70	150	75	167	4-6
PA12	2) 50	110	70	150	75	167	4-6
PA6	2) 50	110	70	150	80	176	4-6
PA6.6	2) 50	110	80	180	80	176	4-6
PA6.6 GF35	2) 70	150	100	220	80	176	4-6
PBT	70	150	100	220	130	266	3-4
PC	80	180	120	260	120	248	2-4
PE filled	50	110	70	150	85	185	3
PE	1) 100	220	150	330	90	194	2
PEEK	60	130	80	180	150	302	4
PEI	80	180	120	260	150	302	4
PES	50	110	70	150	150	302	4
PETP	60	130	90	200	130	266	3-4
PETP	50	110	70	150	150-200	300-392	6
PETG	60	130	80	180	65	149	4
PMMA	70	150	100	220	80	176	4
POM	70	150	100	220	100	212	3
PP	1) 110	240	160	350	90	194	2
PPO	70	150	100	220	100	212	2.5
PPS	70	150	100	220	140	284	3
PS	1) 130	290	190	420	80	176	2
PSU	80	180	110	240	150	302	3
PUR	70	150	110	240	80	176	3
PVC	100	220	140	310	70	158	1-2
SAN	80	180	110	240	80	176	2-3
SB	70	150	110	240	80	176	2
TPE	60	130	80	180	110	230	3
TPU	60	130	90	200	90	194	3

1) Material is not heated to full pre-warming temperature
2) Initial moisture <1 %

www.colortronic.com

Colortronic GmbH
Germany

☎ +49 61 75 7 92-0
☎ +49 61 75 7 92-1 79
✉ info@colortronic.de

Colortronic Inc.
USA

☎ +1 856 312 96 00
☎ +1 856 312 96 96
✉ ctusa@colortronic.com

Colortronic Systems Pte. Ltd
Singapore

☎ +65 77 77 665
☎ +65 77 88 671
✉ ctasia@colortronic.com

Colortronic U.K. Ltd.
Great Britain

☎ +44 12 46 260 222
☎ +44 12 46 455 420
✉ sales@colortronic.co.uk

Colortronic s.a.r.l.
France

☎ +33 03 88 59 18 10
☎ +33 03 88 59 18 11
✉ ctfrance@colortronic.com

Colortronic AG
Switzerland

☎ +41 62 889 25 25
☎ +41 62 889 25 26
✉ info@colortronic.ch