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# 700 PT (Pass-Thru) Dryer

STATE-OF-THE-ART DESIGN AND EFFICIENCY.

## Braun 700 PT Dryer



**Braun 700 PT Dryer**  
*State-of-the-art  
design and efficiency.*

As-stand alone units or key components in a fully automated system, the Braun PT pass-thru dryer delivers years of dependable, productive service. Customer demand for lower operating cost and higher productivity have driven industry-leading product innovations at Braun. We produce the most advanced, efficient and compact dryers available today.

### **COMPUTER CONTROLS**

The computerized dryer controls are fully programmable, and are completely self-diagnostic.

### **FULLY MODULATING, COMPUTER CONTROLLED HEATING**

The 700 PT dryer features a 42" line burner which is controlled by precision burner controls for uniform heat distribution. This results in precise basket chamber temperature control, yields fast dry times, consistent quality and outstanding resource efficiency. Monitoring both inlet and outlet temperatures, the Braun 700 PT Dryer controls precisely meter the fuel, constantly trimming the amount used, throughout the drying cycle. As the water content in a load decreases, the amount of fuel needed to maintain the programmed temperature decreases.

# The Braun Advantage

## COAXIAL DUCTING

Braun PT Series Dryers use coaxial ducting to increase efficiency. Unlike a re-circulation duct system, the hot internal coaxial exhaust duct transfers only the heat energy to the cold incoming air, sending the now cooler, moisture laden air outside. Less efficient re-circulation systems dump the moisture that you are trying to remove from the process back into the goods.

The pre-heated air created by the coaxial ducting decreases the amount of fuel required to heat the basket chamber to the final operating temperature. This way you get a monetary return from the money spent to heat the air in the first place.

Additionally, through the use of sophisticated computer air flow models Braun has been able to optimize the air flow through the dryer which optimizes drying efficiency.

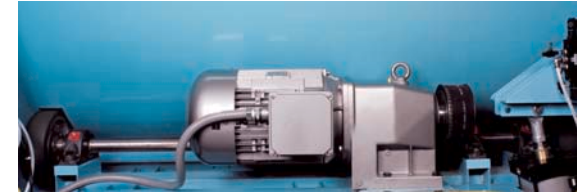
Note: Split Ducting is also available on the Braun 700 PT Dryer.

## OTHER FEATURES

- Faceplate door design enhances sealing and full body insulation for increased thermal efficiency for a more temperate workplace
- Poly chain drive belt ensures long life
- Dryer control with 50-formula capacity
- Integrates easily into a fully automated open pocket system
- Optional coated baskets available
- Easily removable panels
- Memory card for program loading and back-up
- Ethernet ready
- Robust forged, machine basket rings to improve basket strength and precision
- Designed using computational fluid dynamics (CFD) to improve airflow and efficiency
- Quiet blower – 75 dBa



*Light weight, easy to remove  
lint collection system.  
(patents pending)*



## 700 PT DRIVE

The 700 PT Dryer drive train is simple in design and requires low maintenance. A one-piece CSA approved gear motor drives two 10" drive wheels. A large polychain belt drive ensures years of reliable power transmission.



## BRAUN UNITIZED GAS TRAIN

Standard on all Braun gas fired dryers is a one-piece CSA approved gas train. This allows for a compact gas train with minimal piping and components. Access is not an issue. The gas train is located behind our large removable access doors with all components within reach. Other manufacturers use large multi-component gas trains that are hard to access due to complicated piping and multiple component parts in a less-than-ideal location.



## 700 PT DRYER LINT COLLECTOR

- Lint Screen Assembly
- Easy to remove and only weighs 60 lbs.
  - 10 individual slide-in screens make replacement simple
  - Screen zigzag configuration provides more surface area for lint collection and helps to keep airflow uniform throughout the basket

## Air Knife Lint Blow Down Mechanism

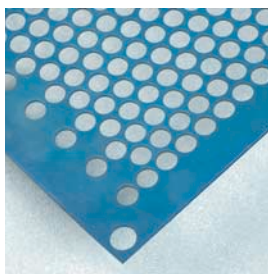
- Automatically blows lint off of lint screens
- By rotating the air knife, the lint blanket is "peeled off" in sheets

## Lint Vac

- Removes the lint from the lint trough to a collection chamber by negative pressure generated by compressed air.
- Eliminates the need for expensive external vacuum systems.
- Can be used in systems applications to provide an extra boost to help remove lint to a central vacuum system.

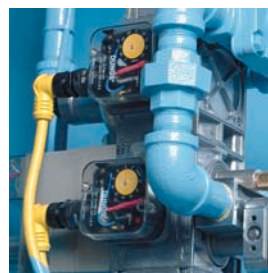
## Lint Collection Chamber

- Extremely light, plastic collection chamber that can be quickly disconnected for easy disposal of the lint.



#### NON-STICK COATED PANELS AND BASKETS

Braun offers non-stick coated panels and baskets on all dryers. The non-stick coating reduces the possibility of plastic adhering to the inside of the basket. This ensures unobstructed airflow through the perforated panels, keeping your dry times to a minimum, and significantly reduces maintenance.



#### 'PLUG & PLAY' WIRE HARNESSSES

Braun PT dryers incorporate plug and play harnesses. If a component should need replacement, simply loosen the harness collar and pull to free the connection. Installation is just as simple. Braun's industry-leading swing out control box and large doors provide easy access to all harnesses and internal components. Other manufacturers use hard wired connections that require time-consuming disconnect and reconnect procedures.



#### LINEN FRIENDLY BASKET DESIGN

If you process expensive barrier gowns or high-end bed and bath linens, you will appreciate the special attention Braun has given to the basket design. All Braun Dryer baskets feature ribs with large radius edge and basket gap rings. The large radius edge reduces potential damage to the fibers of your goods, while the gap rings shield your goods from being damaged by the basket edge. Ribs offered by other manufacturers feature a potentially fiber damaging smaller radius, or a sharper edge rib. Many do not offer gap rings. The linen-friendly basket design is standard on all Braun PT series dryers, helping you to reduce processing loss and increase profit margins.

#### CSA CERTIFIED

All Braun dryers are CSA Certified for gas and electrical.

## 700 Pass-Thru Dryer

### Specifications

#### 700 PT

Capacity dry weight	700 lbs.
Basket volume	210 cu. ft.
Door opening	60" x 50"
Machine width	134 1/2"
Machine depth, level	93"
Machine depth (one-way tilt)	119"
Machine depth (two-way tilt)	156 1/2"
Maximum machine height	156 3/4"
Unload height at door ring	35 1/2"
Load height at door ring	59"
Normal load/unload tilt	18°
Minimum dryer spacing (center to center)	180"
Receiving opening requirement	126" H X 134 1/2" W X 93" D
Total shipping weight	11,200 lbs.
Main blower hp	30 hp
Exhaust volume	12,000 cfm
Exhaust duct connection size	18 5/8" x 20"
Water supply line	3/4" NPT
Air supply connection	1" NPT

#### Gas Fired Models

Propane gas supply pressure	3" min. – 7" max. wc
Natural gas supply pressure	7" – 21" wc
Burner firing range BTU/hr (x1000)	100 – 3000
Gas supply connection	2" NPT



ISO 9001:2000 CERTIFIED

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