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# FT1000i Industrial Conveyorized Washer

## STANDARD FEATURES

- ◆ Pumped rinse system
- ◆ Water usage 90 gph
- ◆ Hinged load and unload panels
- ◆ Digital controls with machine diagnostics
- ◆ Low temperature alert
- ◆ 31" access on prewash and power wash; 20" access on dual rinse chamber
- ◆ Recessed start and stop switches at both ends
- ◆ Doors open indicator
- ◆ Drains open indicator
- ◆ Door interlocks
- ◆ 5 H.P. prewash and wash pump motors, all TEFC
- ◆ Side wash and side rinse
- ◆ High Pressure Blow-off
- ◆ Easy to remove and clean stainless steel scrap pans and baskets
- ◆ 30"L x 22"H tunnel opening
- ◆ Dual Rinse
- ◆ Front and rear panels
- ◆ Variable speed conveyor, 4.0 to 8.5 FPM
- ◆ Stainless steel conveyor sprockets at both ends

## DIRECTION OF OPERATION

- Right to Left
- Left to Right

## VOLTAGE

- 208/60/3
- 240/60/3
- 480/60/3
- Other voltages available – consult factory

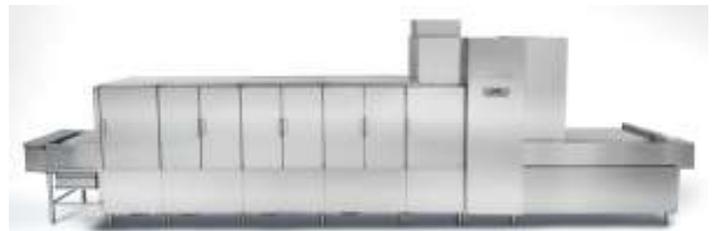
## MODEL

- FT1000iSBD Conveyorized Washer

## OPTIONS AND ACCESSORIES

- Electric Tank Heat
- Steam Tank Heat
- Booster Heater
  - Electric
  - Steam, stainless options available
- Power rinse chamber
- Additional wash tank chamber
- Heated blower dryer chamber
- RO water capability package
- 6" higher than standard chamber
- Circuit breakers
- Custom machine lengths available, consult factory
- Flanged feet
- Water hammer arrestor/PRV (installed by others)
- Drain water tempering kit (installed by others)
- Vent connection kit
- Consult factory for custom options

- **LA Research Report M660004**
- **Complies with EPA Reduction of Lead in Drinking Water Act 2014**
- **Meets requirements of ASSE Standard No. 1004**



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701 S. Ridge Avenue Troy, Ohio 45374 | Office: 937.332.2103 | Mobile 937.831.0799

E-mail: [doug.cole@hobartcorp.com](mailto:doug.cole@hobartcorp.com) | [www.hobartcorp.com](http://www.hobartcorp.com)





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## FT1000i Industrial Conveyorized Washer

**DESIGN:** Fully automatic, conveyorized tunnel washer consisting of some or all of the following sections; load, power recirculating prewash, power wash, power rinse, dual rinse/ including a fresh water final rinse, high pressure blow off and blower dryer. Included between each section will be a flexible plastic strip curtains to control overspray.

**CONSTRUCTION:** Stainless steel tank and chambers with No. 3 polish on appearance surfaces. Frame, legs and feet to be constructed of stainless steel. Inspection doors to be chamber width.

**PUMPS:** Recirculating stainless steel pumps with stainless steel impellers. Pump housing has easy to remove coverplate for access to impeller. Wash pumps are self-draining.

**MOTORS:** Totally enclosed fan cooled (TEFC) design with inherent overload protection. Pump motors to be 5 H.P. for prewash and wash, 3 1/2 H.P. for power rinse, and conveyor motor to be 1/3 H.P. Available in electrical specifications of 208/60/3, 240/60/3 and 480/60/3.

**CONTROLS:** A stainless steel control center with electronic digital controls mounted at eye level. Power "On/Off" and "Start/Stop" switches integrated into keypad. Digital display indicates door(s) open, low temperature alert, tanks/final rinse temperatures and other pertinent operating data. Additional "Start/ Stop" switches are located at each end of machine. Conveyor speed button included on the control center to provide for adjustable speed conveyor.

**FLIGHT-TYPE CONVEYOR:** Stainless steel side links, tie rods and conveyor tracks. Stainless steel or Injection molded Duraflex flight links are available.

**RECIRCULATING PREWASH SECTION:** Prewash compartment is fitted with upper and lower wash arms. Large removable one piece perforated stainless steel screen sloped downward to deep stainless steel scrap basket.

**TANK HEAT:** Power wash, power rinse and dual rinse tank water temperatures are thermostatically controlled. Low water protection is provided. Specify either electric or steam heat.

**VENT:** Indirect vent connection with integral powered fan.

**DUAL RINSE:** Recirculated rinse heated to 160°F followed by a final fresh water rinse boosted to 180°F (with optional booster.)

**ENERGY RECOVERY:** Energy Recovery system operates with a cold water line, capturing energy from exhaust air and using it to elevate the temperature of the water entering the booster heater.

**CONVEYOR DRIVE UNIT:** Powered by a 1/3 H.P. motor. Trip mechanism provided on unload section. Jam protection is provided by load sensing switch at drive platform. Conveyor speed adjustment of 4.0 feet per minute to 8.5 feet per minute is provided on the digital display keypad, and can be factory set, if requested.

**DRAINS:** Manual, hand-operated, located at each tank.

**BLOWER DRYER:** Each blower dryer module includes (2) 2 H.P. fan motors with sealed ball bearings and overload protection. 31" door access provided. Multiple blower dryer modules available.

**HIGH PRESSURE BLOW OFF:** This 36" chamber features a 10HP high velocity blower supplying a variety of high impact air knives. The blow off section is designed to remove excess water. The system includes an inlet filter housing, galvanized supply ducting, flexible hose, air knife mounting hardware and a VFD. A sound enclosure box is included to reduce noise levels. A blower dryer option can be added after the blow off to assist in the drying process.

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### No other control system allows easier monitoring.

The digital controls are placed in a convenient panel that lets operators verify proper operation and temperatures at a glance. The digital display indicates the unit is on, and confirms that the doors are closed. Automatic door interlocks prevent the pump and conveyor from operating if the doors are open. Easy to read display indicates accurate temperatures of the 150° F wash, 160° F power rinse, 160° F dual rinse and 180° F final rinse — critical for proper HACCP system record keeping.



**Stainless steel pumps are built for long life.** The stainless steel pump housing and impeller offer greater durability and long life. The pump motor is totally enclosed and fan cooled (TEFC) to protect it from water spray during clean-up.

**Scrap baskets capture particles and are easy to clean.** The sloped screens that carry scraps to the scrap baskets are steeper, so less soil gets into the tanks. The basket opening is larger for easy cleaning and basket handles have been designed for easy lift-out access. The load section also contains removable scrap baskets. All scrap baskets and strainers are stainless steel for strength and durability.

**Start/Stop switches.** Are included at both the load and unload end for ease of use, safety and convenience.

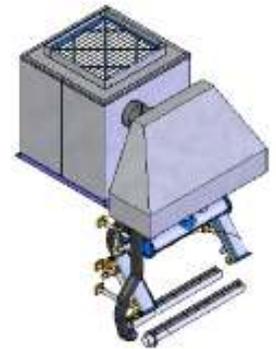


**Variable speed conveyor offers increased throughput or wash time.** The speed of the conveyor is easily adjustable on the digital display keypad for the type of products, soiled condition, or workforce requirements. It runs at 4.0 - 8.5 feet per minute.

### Energy Recovery System reclaims heat for energy.

The Energy Recovery System features a heat exchanger that captures exhausted heat and steam from the air in the washer and uses this energy to preheat the incoming cold water supply to 120°F before it enters the booster heater. In addition to energy savings, the Energy Recovery System provides a viable use for this otherwise exhausted heat.

**High pressure blow-off:** The standard system includes a 10HP high velocity blower powering a series of high impact air knives. Two 30-inch air knives will be located overhead and two 30-inch air knives will be located under the belt. Finally, two 18-inch air knives (one per side) will target the sides of the product. The system includes an inlet filter housing, galvanized supply ducting, flexible hose and air knife mounting hardware. A sound enclosure for the motor is also included to reduce the noise levels.



**Installation is quick and easy with modular design and minimal wiring connections.** Modular design means the FT1000i installs quickly and reliably. The control panel is already in place, pre-mounted to the dual rinse/final rinse section. Wiring connections are minimal, and there is only a single vent, saving time and expense. The control box uses a “single plane” circuitry design for easy accessibility during installation and service.

### Blower Dryer provides increased drying results.

A double blower and side air diverters in each blower dryer chamber provides a consistent heated air flow. Double doors provide easy access to chamber. Multiple blower dryers sections can be ordered and are easily assembled with a modular design.

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| <b>FT1000i Series — Industrial</b>  |   |
|---|---|
| <b>Machine Ratings (Mechanical)</b><br>Conveyor Speed — Feet per minute   | 4.0 - 8.5, factory set by request   |
| <b>Production Rate Per Hour</b>   | Varies by product size, consult your Hobart representative  |
| <b>Motor</b> — Horsepower   | Pre-Wash - 5; Wash - 5; Power Rinse - 3½; Dual Rinse - ⅙; Final Rinse - ½<br>Conveyor - ⅓   |
| <b>Tank Capacity</b> — Gallons  | Pre-Wash - 40; Wash - 40; Rinse - 32; Dual Rinse - 6.5  |
| <b>Rate of Final Rinse</b> — Gallons per minute<br>(Pumped rinse)   | 1.5   |
| <b>Final Rinse Consumption</b> — Gallons per hour<br>(Pumped rinse)   | 90  |
| <b>Exhaust Requirements</b> — Cubic Feet per minute   | 750 cfm (at standard air conditions)  |
| <b>Electric Heat Requirements</b> —<br><br>Tank Heat - Kilowatt (Regulated)<br>Electric Booster - Kilowatt<br>Blower Dryer Heat   | Disconnect switches are recommended for each power circuit connected to washer. These disconnect switches are NOT furnished by Hobart and should be installed by the electrical contractor at the time of installation.<br>Circuit breakers optional at extra cost.<br>Total tank heat - 56KW (Wash, Rinse, Dual Rinse)<br>26KW - 110°F incoming water raised to 185°F (75°F rise) (180°F minimum)<br>15KW (each) |
| <b>Steam Heat Requirements</b> —<br>Steam Consumption<br>Tank Heat - Pounds per hour - maximum<br>(Regulated) - based on 10 to 45 PSI steam at the machine<br>Steam Booster - Pounds per hour - maximum<br>- based on 20 PSI steam,<br>110°F incoming water raised to 185°F (75°F rise)<br>(180°F minimum)<br>Blower Dryer Heat | 209 lbs./150°F Wash minimum - 160°F Rinse minimum<br>160°F Dual Rinse minimum<br><br>47 lbs./180°F Final Rinse minimum<br><br>30 lbs. (each)  |
| <b>Peak Rate of Drain Flow</b> — Gallons per minute<br>Initial rate with full tanks   | 26  |
| <b>Shipping Weight Crated</b>   | Varies by individual model - consult your Hobart representative   |

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