

Technical Data Sheet

Single Head Processor 1650

Power Requirements:

Dedicated 20 Amp 125V/240VAC 60Hz Single Phase

Dimensions: 33"L x 45"W x 63"H

Weight: 545 lbs

This Processing unit is Direct Drain and not intended for the water to be re-circulated.

Setup

Requirements:

1. Warm water supply with a temperature between 105° and 125°. We recommend using an “on-demand” water heating system, see: www.noritzamerica.com or www.takagi-usa.com. Water consumption is approximately 3.0-4.0 GPM.
2. 1½” PVC drainage hook-up. Recommended: 4-6ft. flexible 2” hose and hose clamps or plumb 1½” PVC piping to drainage hook up.
3. Inlet (water) ball valve for On/Off water control needs to be connected to the water source using 4-6ft of high-pressure hose.
4. Unit should be moveable to service rear of machine when necessary.

Note: Electronic solenoid water float valve will stop the inlet water when tank is full. Inlet ball valve should be OFF when not in use to insure the float valve does not fail. There is a 1½” over-flow drain to avoid holding tank from overflowing.

Operation

1. Turn on “MAIN” Power switch “ON”
Note: Main power switch controls all power functions to processor including water-heating element
 2. Set wash cycle “TIMER”.
Wash cycles operates in seconds (washing times vary to resist material thickness)
Note: The digital timer has one program setting (MODE “2 – D” / RANGE “S”) these settings should not be changed.
Time “wash-time” Setting:
3 Mil = 40 – 50 seconds
4 Mil = 60 – 80 seconds
5 Mil = 90 – 100 seconds
Note: Wash times very depending upon exposure times a density of printed image.
To increase or decrease your rinsing cycle time turn the timer wheel on digital timer “Up” to advance time and “Down” to decrease time.
Note: Digital counter counts down during wash cycle
Note: To increase manifold pressure/performance use 8006 female nozzles, 8006 wash nozzles will raise overall GPM
 3. Auxiliary Pump Sprayer
Use the Auxiliary Pump Sprayer to touch up any areas not completely washed out
Note: can be left ON, and will only operate only when trigger is activated
1. Place resist film across the circumference of the wash drum dull side up, using 2” magnet strip. Place ¼” of the magnet on two sides of resist.

At the end of each day, turn “POWER” switch to “OFF” and water inlet ball valve “OFF”

Control Panel Components

“POWER” switch: “ON/OFF” (green lamp illuminates when on)

“RUN/PAUSE” switch: (amber lamp during cycle) when in “Run” mode the processor will start a cycle. If it is necessary to pause a cycle, flip the switch to “Pause”. While in “Pause” the wash cycle and timer will stop until released into “RUN” mode. To reset the timer to the original time setting turn power switch “OFF” and “ON”.

“FULL CYCLE” button: press the button to activate a wash cycle

“AUX SPRAYER” switch: “ON/OFF” (amber lamp when on), press thumb trigger to start flow, switch can be left on, and will only operate only when trigger is activated.

“TIMER” The digital timer indicates in seconds the preset cycle setting. The proper program settings are MODE “2 – D” / RANGE “S” (000 = hundreds, tenths, 100/of second) counter counts down during wash cycle.

Parts List

1. 8003/ 8006 V-jet wash nozzles, female - \$9.80 ea.
2. 1” magnets - \$2.00 per linear foot.

Maintenance

Daily Use a mild cleanser to keep wash drum and drainage tray clean. Use a non abrasive sponge or brush on wash drum.

Daily Inspect the wash nozzles to insure nozzles are not clogged or spraying improperly.

Daily Open the clean-out screen valve below the water inlet to free any deposits or minerals, failure to remove deposits or debris may cause the electronic solenoid to keep from closing allowing water to continually flow.

As needed:

Remove and clean the washing nozzles using hard water deposit cleaner and bristle brush.

Note: When servicing the washing nozzles, or freeing a clogged nozzle, remove the nozzle and blow or rinse debris free **do not** push anything through the office, this could result in damage the spray pattern.

Wash Nozzles should **not be** lined up straight, but positioned approximately 30 degrees offset from horizontal.

Wash Nozzles should be replaced annually as the high pressure will distort nozzles orifice and result in poor spray efficiency and increase overall GPM

Wiring diagram and component mapping located in-side control panel

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