

ZY-2436 POST EMULSIFIED HYDROPHILIC FLUORESCENT PENETRANT INSPECTION SYSTEM



Stand Alone Inspection Booth Not Shown

GENERAL DESCRIPTION

The Zyglo® ZY-2436 Post Emulsified Hydrophilic Fluorescent Penetrant Inspection System is a standalone 10-station system designed for processing medium size parts in batches and increasing throughput with larger station sizes.

STATIONS

1. Penetrant Dip Tank Station
2. Penetrant Drain/Dwell Station
3. Tank-Type Pre-Rinse Spray Station
4. Remover Dip Tank Station
5. Tank-Type Final Rinse Station
6. Drain Station
7. Top-Load Dryer Station
8. Rest Station
9. Top-Load Swirl Cloud Developer Station
10. Free Standing Inspection Booth Station

PENETRANT DIP TANK STATION

- Outside dimensions: 36”L x 24”W x 36”H
- Inside dimensions: 33”L x 21”W x 32”D (26” deep with Optional Work Platform)
- Heavy gauge stainless steel tank
- Steel framework

- Protective hinged tank cover, aluminum
- Epoxy external finish
- ¾" NPTF drain fitting, located bottom center, plugged

PENETRANT DRAIN/DWELL STATION

- Dimensions: 36"L x 24"W x 10"D
- Dimensions @ work surface: 33"L x 21"W x 36"H
- Stainless steel drain pan
- Aluminum grating work surface
- Integrated drip caps between Drain station and adjacent stations
- ¾" NPTF drain fitting, located bottom center
- Attaches to and is supported by adjacent stations

TANK-TYPE PRE-RINSE STATION

- Outside dimensions: 36"L x 24"W x 36"H
- Inside dimensions: 33"L x 21"W x 26"D (tank rim to standard work platform)
- Heavy gauge stainless steel tank
- Steel framework
- Hand-held hose with spray nozzle
- ¼" NPT water connection, rear of station
- Epoxy external finish
- Aluminum grating work surface
- ¾" NPTF drain fitting, located bottom center

REMOVER DIP TANK STATION

- Outside dimensions: 36"L x 24"W x 36"H
- Inside dimensions: 33"L x 21"W x 26"D (tank rim to standard work platform)
- Heavy gauge stainless steel tank
- Steel framework
- Protective hinged tank cover, aluminum
- Epoxy external finish
- ¾" NPTF drain fitting, located bottom center, plugged
- Stainless steel grating work surface
- Air agitation manifold with front-mounted control valve

TANK-TYPE SPRAY RINSE STATION

- Outside dimensions: 36"L x 24"W x 36"H
- Inside dimensions: 33"L x 21"W x 26"D (tank rim to standard work platform)

- Heavy gauge stainless steel tank
- Steel framework
- Hand-held hose with spray nozzle
- ¼" NPT water connection, rear of station
- Epoxy external finish
- Aluminum grating work surface
- ¾" NPTF drain fitting, located bottom center

DRAIN STATION

- Dimensions: 36"L x 24"W x 10"D
- Dimensions @ work surface: 33"L x 21"W x 36"H
- Stainless steel drain pan
- Aluminum grating work surface
- Integrated drip caps between Drain station and adjacent stations
- ¾" NPTF drain fitting, located bottom center
- Attaches to and is supported by adjacent stations

TOP LOAD DRYER STATION

- Outside dimensions: 36"L x 24"W x 36"H
- Inside dimensions: 33"L x 21"W x 22"D (tank rim to standard work platform)
- Top loading station
- Steel framework
- Heavy gauge steel panels
- Insulated interior panels with heat reflective surfaces
- Removable fans and heater elements
- Digital thermostat
- On/off switch
- Pilot light
- Aluminum grating work surface
- Air circulation fans

REST STATION

- Dimensions: 36"L x 24"W x 10"D
- Dimensions @ work surface: 33"L x 21"W x 36"H
- Steel dust pan
- Aluminum grating work surface
- Integrated drip caps between Rest station and adjacent stations
- Attaches to and is supported by adjacent stations

TOP LOAD SWIRL CLOUD DRY DEVELOPER STATION

- Outside dimensions: 36”L x 24”W x 36”H
- Inside dimensions: 33”L x 21”W x 26”D (tank rim to standard work platform)
- Heavy gauge steel tank
- Steel framework
- Hinged cover, aluminum.
- Epoxy internal and external finish
- Built-in dust collector
- View-port for in cover
- ¼” NPT air inlet, rear of station
- Filter/regulator with pressure gauge
- Foot pedal air valve
- Powder agitation manifold
- Filtered make-up air inlet
- Rear-mounted vac-type dust collector
- Electrical Requirement: 115 volt, 60 hertz, single phase facility power
- Air Requirement: 30 psi shop air line

FREE STANDING INSPECTION BOOTH STATION

- Outside dimensions: 36”L x 60”W (includes 24” from unit to curtain) x 83”H
- Inside dimensions: 36”L x 36”W x 36”D
- Structural steel framework
- Epoxy external finish
- Black melamine work surface
- Full length (4” above floor), flame resistant curtains
- Roof mounted combination of ventilating fan/white light
- Duplex GFI receptacle mounted at the rear of the table
- One (1) ZB-100F hand held, fan cooled, 100 watt black light
- Roof mounted black light receptacle, controlled by panel switch
- Control panel with switches for black light, white light, and ventilating fan
- Electrical Requirement: 115 volt, 60 hertz, single phase facility power

OPTIONAL FEATURES

Aluminum grating work platform for tank-type station (Part Number 522089)

NOTE: This is only a quantity of one for one station.

Manually operated (foot pedal) Dynamic Cloud Developer Kit, installed in place of the Swirl Cloud system in the Top Load Swirl Cloud Dry Developer Station (Part Number 522111)

- Modified pressure pot
- Required hoses
- Air regulator and gage
- Foot pedal air valve
- In-take mounted pre-filter
- Electrical Requirement: 115 volts, 60 hertz, single phase

Canopy Enclosure for Rinse Station (Part Number 522131)

- Add solid roof and back wall, split curtains on each side for part entry/exit
- Two foot tubular black light mounted to the roof with an on/off switch
- Overhang (36”L x 24”W) that is located on front side of station with 6 length curtains
- Electrical Requirement: 115 volts, 60 hertz, single phase

Water/Temperature gauges added to Rinse Station (Part Number 522146)

- Gauges located on front of station below work surface