Fluorescent Penetrant Inspection

Model MLF 250

A New Legacy For Your Plant

Part Envelope Size 20”x40”x20”
Designed to meet ASTM E1417
MIL-STD-1839C Compliant

Tested tough
1. Low Temperature Storage
   MIL-STD-810G, Tested at -40°F

2. High Temperature Storage
   MIL-STD-810G, Tested at +160°F

3. Low Temperature Operation
   MIL-STD-810G, Tested at +50°F

4. High Temperature Operation
   MIL-STD-810G, Tested at +104°F

5. Air Transportation
   Sustained Acceleration
   MIL-STD-810G

6. Shock
   MIL-STD-810G

7. Vibration
   MIL-STD-810G, Tested at
   General Exposure Jet Aircraft
   Standards

Tested Safe
Hexavalent Chrome Free
Plating Free Fasteners
Complete HMMP
[available upon request]
Application Module
Application Module

Large 20” x 40” x 20” part envelope

10” reach to center of tank

Ergonomic working height 36”
Application Module

Multi-position dwell shelves

Delrin shelf guides
(no lubrication required)

Multi-point leveling base

Floor anchoring holes
System modular connections
Application Module

- Fully extended work surface
- Lightweight aluminum tank cover
- Integrated cover storage pocket
- Stainless steel tank construction
- Single 1 1/4” NPT drain connection with station mounted ball valve
Application Module

Center draining shelves with integral drain filter

Replaceable shelf filter

System integral drip edge
Application Module

Fully retracted work surface

Integrated carrier rack

AAP [Air Acceleration Package] allows Application Module to be converted from a Wet Dip Module to a Dry Developer Module.
Application Module

Module can be used for:
- Dip Penetrant
- Dip Emulsifier
- Dip Developer
- Dip Rinse
- Dry Developer [AAP Option]
Spray Module

Full access pivoting spray gun holder

Ergonomic working height

Dimensions:
- Width: 40"
- Height: 36"
- Depth: 20"
Spray Module

Multi-point leveling base  System modular connections  Floor anchoring holes
Spray Module

Integrated carrier hanger

System integral drip edge

Non-metallic tank shelf
Spray Module

Calibrated gauge manifold
Thermowell - Temperature
Quick coupler - Pressure

3/4” NPT water connection
1 1/4” ball valve
drain connection
Spray Module

Integral plumbing cover

Pressure reducing valve

Course spray water wash

Stainless steel tank construction
LED UV-A Lamp (meets ASTM E3022)

Wet location 120V receptacle

Adjustable lamp hanger

Rinse containment curtain surround (MIL-PRF-20696F, Type II, Class 2)
Spray Module

Proportional Spray Package (Optional)

Water filter

Mixing pump

Mixing chamber

Auxiliary tank fill port

Level gauge

‘Red’ spray wand
Spray Module

Module can be used for:
- Method A spray rinse
- Method D spray emulsifier rinse
- Wet developer spray
- Spray penetrant
Dryer / Inspection Module
Dryer / Inspection Module

- Sliding dryer shelf
- Removable drip pan

Full access dryer enclosure
Dryer / Inspection Module

Multi-point leveling base
Floor anchoring holes
System modular connections
Dryer / Inspection Module

Stainless steel construction

Energy efficient / insulated enclosure

Ergonomic working height

Safety awareness
Dryer / Inspection Module

UL Listed 508A
Power Distribution Panel

Main power disconnect

Programmable temperature & timer control with buzzer
Dryer / Inspection Module

Collapsible inspection curtains
Curtains meet MIL-PRF-20696F, Type II, Class 2
< than 2-foot candles of white light with curtain surround
Dryer / Inspection Module

- Removable covers for electrical connections
- NEMA 4X enclosure
- Plug connections to components / modules
Dryer / Inspection Module

LED UV-A lamp meets ASTM E3022

Plug-in exhaust fan

Plug-in strip heaters
Plug-in dryer fan
Utilities Required:
20 AMPS, 208V/240V single phase
3/4” NPT water connection (10 GPM)
1 1/4” NPT drain
3-Station Module

Application Module (AM)  Spray Module (SM)  Dryer / Inspection Module (DIM)

3-Station Dry Weight: 2400 lbs.

4-Station Module

Application Module (AM)  Spray Module (SM)  Dryer / Inspection Module (DIM)

4-Station/Dust Collector Dry Weight: 3350 lbs.