

*Making Manufacturers More Competitive™*



*Complete Propane Tank  
Finishing system for  
20 lb. tanks*

*No paint touch up  
required*

*Part recognition system  
which allows the load  
to determine, no paint,  
washed tank requir-  
ing a coat of paint, or a  
blasted tank requiring  
additional paint*

*Full tank paint coverage*

*Superior transfer  
efficiency*

*Consistent fluid  
delivery*

## ***20LB Propane Tank Finishing System***



# 20LB PROPANE TANK FINISHING SYSTEM

## 20 LB PROPANE TANK FINISHING SYSTEM

- *No Paint Touch up Required, even under the valve*
- *Full tank paint coverage*
- *Superior transfer efficiency*
- *Controlled mil build for better finished tank at a LOWER Paint Cost*

- *Part recognition system which allows the loader to determine, no paint, washed tank requiring a coat of paint, or a blasted tank requiring additional paint.*

*Additionally, each type of tank can be counted independently for accuracy totalization of each tank type for better system costing*

## CONSISTENCY MADE EASY



*Tank Rotator*

- Part ID System that allows for sensing washed, blasted tanks. Can also be used for paint/no paint conditions.

- Indexing gun tracking system allows the guns to stay on the same apex assuring even coating.

- Rotator system provides even rotation at 100 fpm for maximum transfer efficiency.

- Closed loop viscosity control system assures consistent fluid temperatures and flow rates no matter what the time of year or plant conditions providing the maximum tanks per gallon of finishing.

- Constant gun distances which will assure maximum A.T.E. (application transfer efficiency)

- HVLP Technology: Provides low velocity pattern which will achieve high A.T.E.



*Gun Follower System*

## SYSTEM CONTROL PANEL



*System Control Panel*

- The system will be set up with two control panels to paint a propane tank on an overhead conveyor.
- The System Controller will control the A26HTI spray guns, rotator, and a gun follower through a Micro-logix PLC. The processor will be accessible through an operator interface.
- The operator will be able to adjust any delay timer or gun spray duration through the interface.

## PAINT APPLICATION SYSTEM

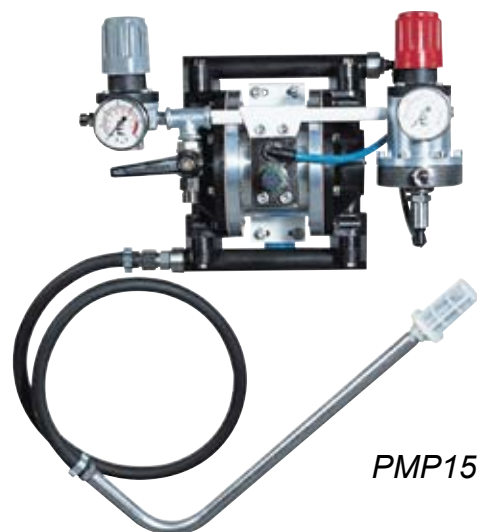
The paint application system, including the PMP150 pump, in-line heater, A26HTI guns and the Control System, 55-gallon cover with an air-powered agitator and lift station and paint circulation system.

## PUMP

**The pump consists of:**

- \* A central air motor
- \* Two identical fluid chambers located on either side of the motor.

At the pump outlet a fluid regulator with pilot provides a constant fluid pressure and flow rate. The fluid pressure is equal to the pressure read on the gauge.



*PMP150*



Operator Panel

- The photo eye tree is used to determine if a tank is blasted, washed, no paint and when a tank is present. The limit switch and photo eye tree will provide the information the PLC needs to track all of the tanks. The limit switch and photo eye tree must be correctly mounted by the customer.
- The Operator panel contains fluid regulators and gauges, gun test buttons, power valve for pneumatic rotator, lubricator for rotator, power valve for cylinder, test button for cylinder, and a three-position selector switch for the rotator.



A26HTI

## A26HTI

The Kremlin A26HTI gun provides the outstanding transfer rates of normal HVLP guns, and takes it one step farther. With the unique separated atomization and shaping air controls, which makes the gun very easy to set up and adjust to assure best and consistent finishing results.

## HP60 PAINT HEATERS



HP60

### Viscosity Control System

Control of the coating thermal viscosity flat line temperature must be maintained at their thermal viscosity flat line paint temperature to maintain control of the finishing system.

The coatings will be heated with HP60 static heat stripping paint heaters equipped with a circulation control valve. Viscosity control is very important in an automatic finishing operation. The HP60 heats the paint to its thermal viscosity flat line temperature, which assures repeatable results regardless of the ambient temperatures. By minimizing the laminar flow problem, the heater becomes much more efficient which assures maximum BTU transmission and the resulting thermal viscosity control of the coatings.

# Making Manufacturers More Competitive™

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