

COLORBAND™ Pipe Marking System



Custom 5 color/8-nozzle Colorband System including Jib



InfoSight designs and builds Colorband pipe marking solutions for automatic colorband application on spinning pipes. The equipment is custom-designed to match your marking requirements and pipe handling geometry.

The *COLORBAND™* system can be provided with any number of colors and/or nozzles to provide easy setup of the desired colors and number of pipe bands to meet your variable production requirements.

InfoSight can provide over-the-tube nozzle support equipment (example pictured on left) as well as under-the-tube (pictured next page) support equipment depending on our customers needs and allotted space.

System Options

- Manual color change is standard, using a switchboard plug-in color selection ink panel
- Automatic color change, with PLC control, can be provided at additional cost
- Base System geometry is 5-color tanks + 1 solvent tank / 3 spray nozzles. Systems with additional colors and/or nozzles can be proposed to match your requirement
- InfoSight provides the color banding equipment only, for integration into positioning equipment by others, or we also provide custom-nozzle positioning equipment to match the customer's requirement. Over-the-pipe and under-the-pipe nozzle mounting is possible
- Equipment is designed specifically for industrial pipe and tube mill applications with rugged construction, using proven technologies
- InfoSight, and our predecessor TELESIS, have been designing and building Colorband Systems since 1979

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Example of under-the pipe nozzle mounting at spin roll station

Utilities:

Air75psi (5 bar), clean and dry 10-15 scfm per nozzle typical
 Electric.....110/220VAC, single-phase, 50/60 Hz, 15 amps typical

System Specifications:

Number of nozzles3 nozzle base system, custom-configurable per application
 Number of colors5 color base system, custom configurable per application
 Nozzle type.....Air nebulized spray nozzle
 ActuationAir-actuated
 Nozzle on-timeSet by adjustable potentiometer to match pipe spin rotation rate and pipe diameter
 Spray distance from surfaceAdjustable, recommend 1" to 2" (25 to 50 mm) from nozzle tip to pipe surface, depending upon desired colorband width
 Color change and air/solvent flush.....Via switchboard plug-in (standard) - automatic color change with PLC control offered as option
 Color per nozzleOne unique color per nozzle per setup—note that up to three (3) nozzles can be assigned the same color if needed
 Nozzle ink systemIndependent ink circuit for each nozzle, with ink sourced via tubing plug-in selection at switchboard for ink, solvent or (air) purge. Optional automated color change is also available.
 Ink / Solvent Supply5 gallon (20 liter) stainless steel pressure pot for each color, and also for solvent

