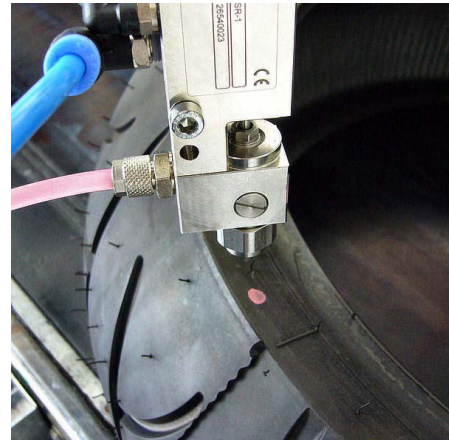
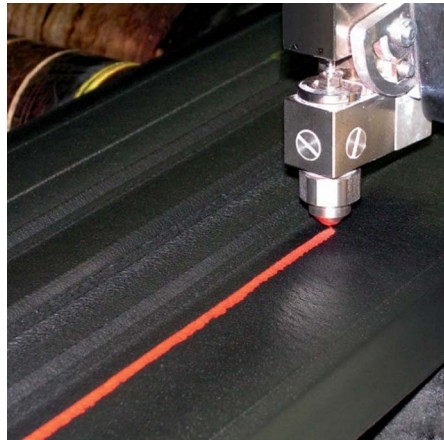
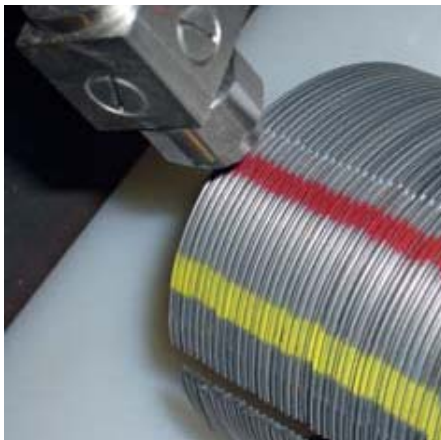




ST SPRAY MARKERS

PRINTING



ST SPRAY MARKERS

The ST spray marker is a revolutionary marking product for industrial coding applications. Designed to apply fluids without the clogging problems typical of other spray systems, the ST provides an unparalleled level of reliability for color coding and inspection marking in a variety of manufacturing environments.

RELIABILITY

For applications where marking of dots or lines must be precise, the ST offers outstanding performance. The system uses pneumatic or magnetic valves to apply fluids in a fraction of a second for precise marks. The unique design of the spray head prevents ink from drying in the nozzle, eliminating the clogging problems and resultant head failures often experienced with low-end spray systems.

The ink tanks are designed to provide even flow to the spray head, and inks are kept at a constant consistency by means of an optional agitator which prevents pigment settling and skin formation.

VERSATILITY

The unique spray technology of the ST allows the unit to apply a variety of fluids with a wide range of viscosities. Several ink choices are available for marking at low or high speeds on product surfaces that are partially oily, greasy, damp, absorbent, hot or dirty. In addition to inks and paints, the ST can also spray lacquers, resins, adhesives, lubricants, mold release agents, and more.

The compact size of the spray head allows easy integration into nearly any production process, and heads can be mounted in any direction. Adjustment of dot size and color saturation are accomplished quickly and easily to achieve the best mark possible.

For reliable character marking, especially in environments unsuitable for other types of marking systems, the ST heads can be arranged in blocks for printing alpha-numeric text in a 5 x 7 dot print pattern. Text size is 1.6" to 7.8" high characters.

SPECIFICATIONS

Head Size	.86" W x 1.96" H x 5.12" L	
Head Weight	Starting at 9.9 ounces	
Electric Supply	24V DC	
Air Supply	75 to 80 PSI	
Dot Size	.11" (3mm) to 1" (25.4mm) diameter	
Maximum Speed	750 fpm	
Material Tank	2.5 oz, 1.5 liter, or 4.5 liter	
Actuation	Manual	Light or Optical Sensor
	PLC	Shaft Encoder

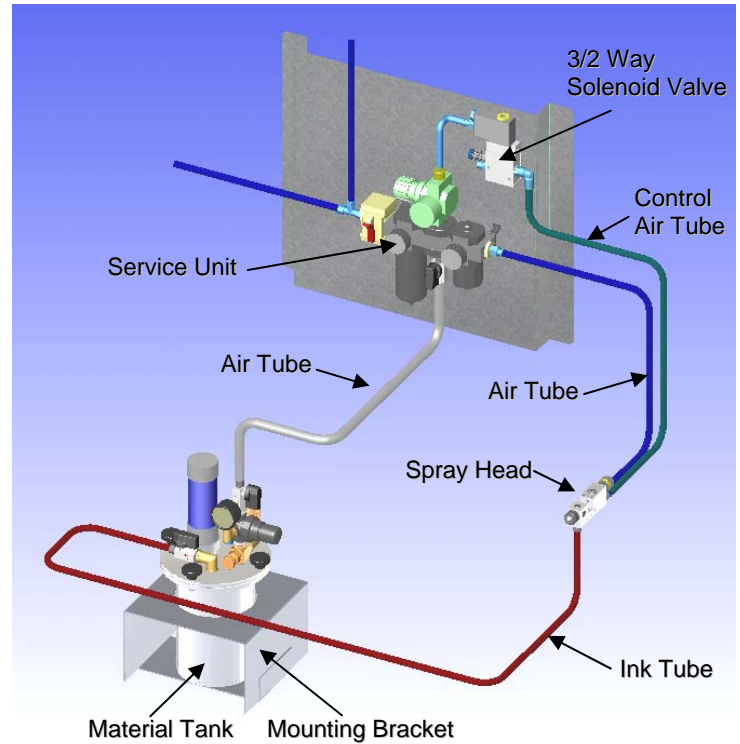
MODEL ST SR-1

- Needle stroke with snap-in microadjustment
- Needle package with PTFE notch seal
- Needle and nozzle available in hard-coated finish

MODEL ST SRM-1

- Diaphragm system for sealing (instead of needle package)
- Specially designed for humidity sensitive and abrasive materials

SYSTEM CONFIGURATION



Spray Head

Front body made from stainless steel, aluminium, or nickel-plated brass.

Material Tank

Available in 1.5 quart or 4.75 quart capacity. Optional 50–100 rpm agitator keeps fluids properly mixed. Silica gel filters available for operation in sensitive environments.

3/2 Way Solenoid Valve

Control the unit electrically or pneumatically.

Service Unit

Filter and regulator for the control air and spray air. The modular design of the service unit allows several systems to be combined for character marking.

Tubing

Electrical conductive air hose; Teflon hoses for material feeding.

Flushing Device (Optional)

Each unit is equipped with a connector for a flushing device with an integrated backstroke valve. The device allows remainders of paint and varnish that may collect between the nozzle and the spray head to be completely purged after the last marking cycle. This ensures that the marking system will be fully operational when using fast drying inks or when the unit will be idle for long periods.

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