



# Automatic BULK SPRAY SYSTEM



Save Money  
- Uses Bulk  
Releases &  
Compressed  
Air

Specially designed for use with  
LESS EXPENSIVE bulk mold releases

IN ADDITION...

## ...Automatic Programmed Spraying:

- ★ Helps maintain consistent cycle times
- ★ Eliminates wasteful over-spray
- ★ Reduces health and accident claims

The IMS Bulk Mold Release Spray System conveniently automates mold release applications using bulk materials. It quickly pays for itself in reduced operating and material costs. Compressed air pressurizes the material tank and feeds the bulk mold release to the spray gun. Another compressed air line to the spray gun atomizes the fluid. PLC-controlled solenoids precisely control the flow of fluid and air to produce a finely-divided spray when it is needed and for as long as it's needed.

Settings include Sweep Delay, Spray Delay and Spray Time. A built-in delay shuts off the fluid slightly before air-shutoff to avoid drooling.

Two spray guns can be used with each controller.

Three spray head options are available to achieve different spray patterns. The cart sits on four lockable swivel casters for easy mobility and easy placement close to the press.

### Environmentally-Friendly and Cost Effective

Selecting a bulk product presents financial, safety, environmental, training and regulatory advantages.

- Eliminate Volatile Organic Compounds
- Meets EPA, CWA, CAA, FDA and USDA requirements



Fully Programmable  
PLC Type **CONTROLLER**  
lets you trigger mold release spray  
AND  
a mold sweep (if used)  
FROM A SINGLE SOURCE

The Bulk Mold Release Spray System comes pre-assembled for easy installation and can be customized for your specific needs. Contact an IMS Customer Service Representative for additional details.

4

### Specifications and Prices

**Compressed Air Requirements:** 80-100 psi

**Electrical Requirements:** (controller only) 2A at 115 VAC/60/1

**Output:** 2 A at 24 VDC

**Dimensions:** (controller only) 8" h x 10" w x 6" d  
(entire assembly) 50" h x 19 1/2" w x 21 1/2" d

**Weight:** controller: 16 lbs., 18 1/2 lbs. boxed  
cart: 48 lbs., 59 lbs. boxed

*continued on next page*



= Highest Quality & Value Products



= Industry Standard Quality Products



= Value-Priced Supplies



[www.imscompany.com](http://www.imscompany.com) | phone order toll-free (USA & Canada) **1.800.537.5375**

fax order toll-free (USA & Canada)

phone order toll-free (Mexico)

tech support toll-free (USA & Canada)

e-mail

**1.888.288.6900**

**001.888.304.1307**

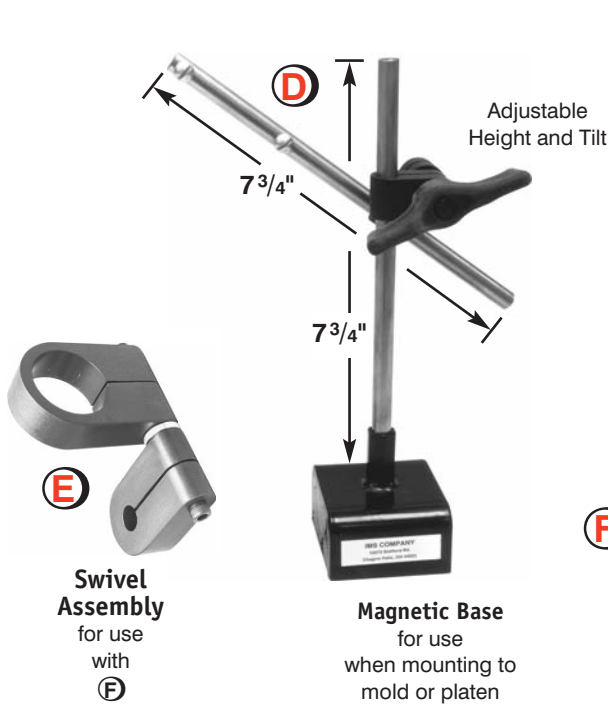
**1.866.467.9001**

**sales@imscompany.com**



# Automatic BULK SPRAY SYSTEM — Parts and Components —

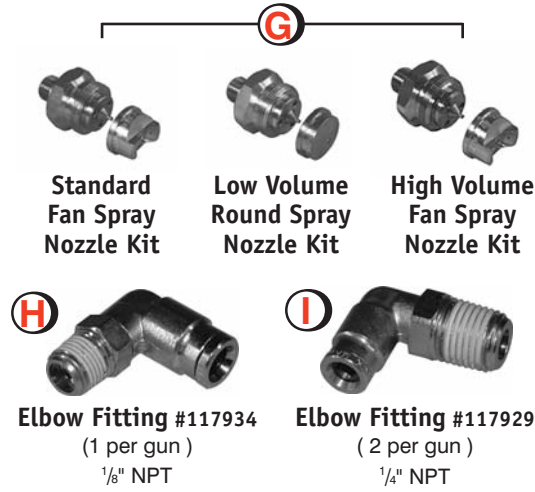
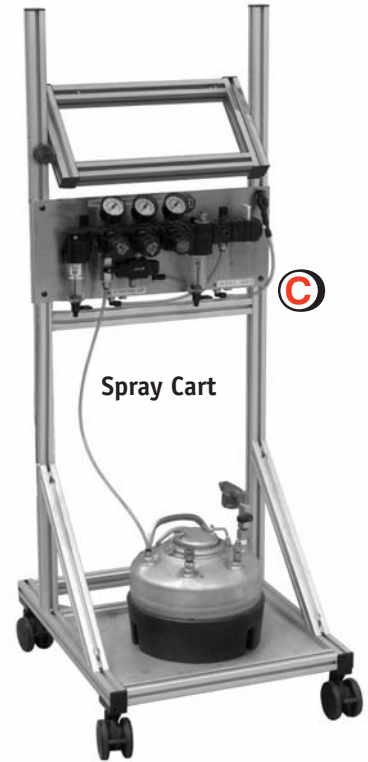
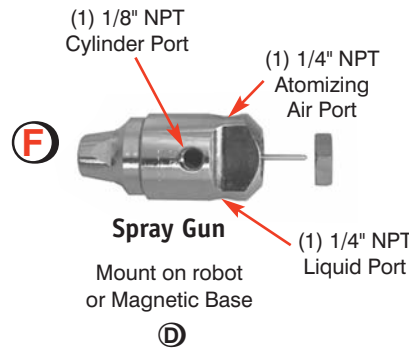
4



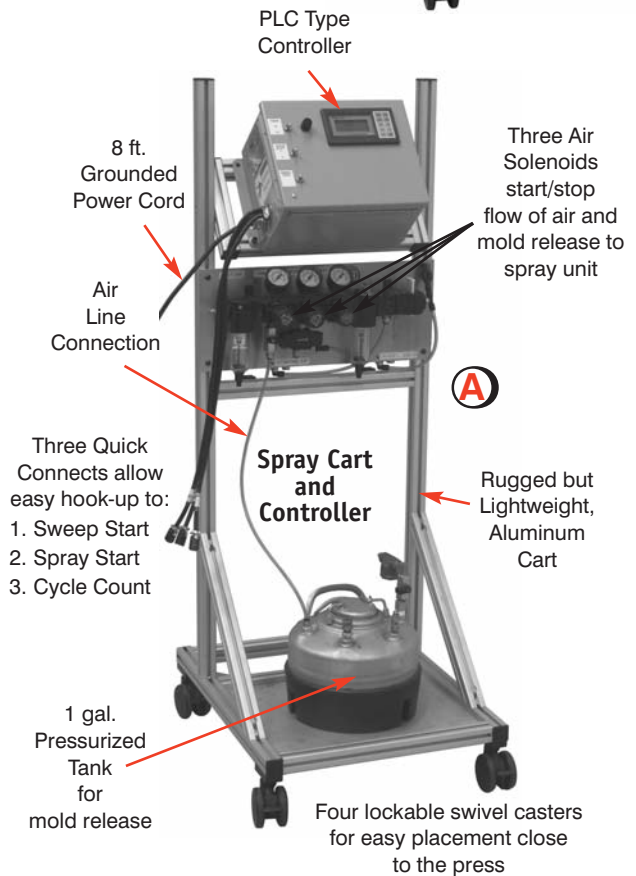
**B** Spray Controller



See Page 193 for more information



Use when plumbing two or more guns together



# Spray System Worksheet

Select either entire assembly or select individual components that fit your application

**A Spray Cart and Controller** Item #121983 ..... \$3,846.25 x \_\_\_\_\_ = \_\_\_\_\_  
 Bulk Mold Release Spray System with bulk spray cart, single-press PLC-Type controller and instructions (spray gun not included)  
 One required for every press that will have automatic spray control.

**B Spray Controller** Item #120927 ..... \$1,491.05 x \_\_\_\_\_ = \_\_\_\_\_  
 PLC-based controller which mounts onto the spray cart.  
 One required for every press that will have automatic spray control.

**C Spray Cart** Item #119814 ..... \$2,831.40 x \_\_\_\_\_ = \_\_\_\_\_  
 Aluminum frame assembly complete with casters, valves, pressurized tank, etc.  
 One required for every press that will have automatic spray control.

Use to position the spray units

**D Magnetic Base** Item #114343 ..... \$135.75 x \_\_\_\_\_ = \_\_\_\_\_  
 One base (and associated swivel assembly) can support one spray gun; ensure that this base can be mounted close to the mold cavity to minimize overspray.

**E Swivel Assembly** Item #122233 ..... \$166.15 x \_\_\_\_\_ = \_\_\_\_\_  
 One of these is required for every magnetic base.

Choose one or more depending on area to be sprayed

**F Spray Gun Only (automatic)** Item #119020 ..... \$342.85 x \_\_\_\_\_ = \_\_\_\_\_  
 The size and shape of your mold cavity may require multiple spray guns for adequate spray coverage; nozzle kit must be ordered in addition to the gun.

Choose one per spray gun

**G Standard Fan Spray Nozzle Kit** Item #120480 ..... \$56.85 x \_\_\_\_\_ = \_\_\_\_\_  
**Low Volume Round Spray Nozzle Kit** Item #112931 ..... \$62.70 x \_\_\_\_\_ = \_\_\_\_\_  
**High Volume Fan Spray Nozzle Kit** Item #112947 ..... \$73.10 x \_\_\_\_\_ = \_\_\_\_\_

These are the most common nozzles that have been used in this application; others are available as a special order.

Purchase as needed

not shown **1/4" O.D. Polyurethane Tubing** Item #118052 ..... \$0.46/ft. x \_\_\_\_\_ = \_\_\_\_\_  
 This tubing is recommended for connection between the spray cart valves and the spray guns; its blue color increases visibility, which aids in installation.

**H Elbow Fitting (1 per gun)** Item #147305 ..... \$3.30 x \_\_\_\_\_ = \_\_\_\_\_  
 Male elbow, brass, tube to male pipe; joins 1/4" O.D. tube to 1/8" N.P.T. thread.

**I Elbow Fitting (2 per gun)** Item #147306 ..... \$3.66 x \_\_\_\_\_ = \_\_\_\_\_  
 Male elbow, brass, tube to male pipe; joins 1/4" O.D. tube to 1/4" N.P.T. thread.

Use when plumbing two guns

For split lines at cart:

**J Tee Union** Item #147296 ..... \$3.91 x \_\_\_\_\_ = \_\_\_\_\_  
 Tee union, brass, tube to tube; joins 1/4" O.D. tube to 1/4" O.D. tube.

For split lines at guns:

**K Tee Union 1/8" NPT (1 PER GUN)** Item #147319 ..... \$4.33 x \_\_\_\_\_ = \_\_\_\_\_  
 Tee union, brass, tube to tube; joins 1/4" O.D. tube to 1/4" O.D. tube.

**L Tee Union 1/4" NPT (2 PER GUN)** Item #147320 ..... \$3.91 x \_\_\_\_\_ = \_\_\_\_\_  
 Tee union, brass, tube to tube; joins 1/4" O.D. tube to 1/4" O.D. tube.

**Bulk Mold Release**

Products having a viscosity of 200 centiStokes or lower are recommended.

**Total** \_\_\_\_\_

Optional Push-To-Connect Fittings and Hose — see pages 562 & 569