

# MicroCoat® MC800 Lubrication System

Configure up to eight valves.  
Switch oils in minutes.



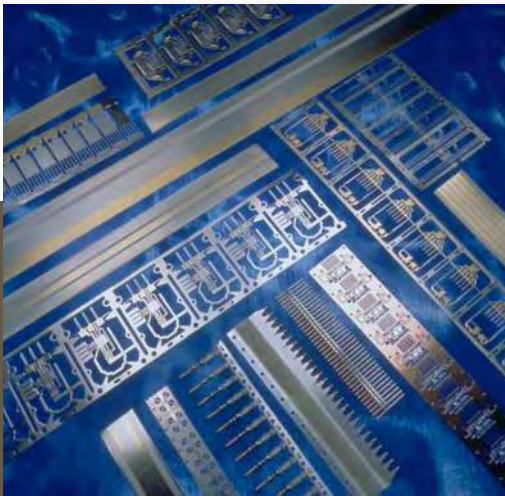
# Precision Lubrication by MicroCoat

The MicroCoat system applies lubricant in a fine, even film. Just the amount you specify. No more, no less. With instant flow adjustment – no wait time for pads or rollers to become wet or dry out.

This unique, fully integrated system uses Low Volume Low Pressure (LVLP) technology to provide steady, consistent lubrication without the overspray or mist of airless spray systems.

## The benefits are significant.

Exact lubrication control increases profit opportunities throughout the manufacturing process. Tools last longer and presses run faster. Your process becomes environmentally friendly, while problems from drip pads, rollers and airless spray systems disappear.



## Features

### Uniform lubrication provides:

- Even, uniform coverage, top and bottom
- On-the-fly adjustment of oil coating
- Expandable, modular system for wide stock
- Flexible oil feed from tanks, pumps or central system
- Single or multiple oil use
- Simple, reliable, and low-maintenance operation
- Easy “plug & play” setup



## Applications

- High-speed stamping (lead frames, motor laminations, electrical terminals, micro-connector pins)
- Tube forming
- Fine blanking
- Corrosion/rust prevention
- Can end pull tabs
- Cooling fin forming
- Fabric coating
- Cable/wire coating
- Foil rolling
- Blank stock coating
- Coil stock slitting



# MC800 System Operation

The MC800 Series system operates up to eight valves. Precision flow controls permit the amount of lubricant applied by each valve to be adjusted independently. Valves can be mounted above or below the stock.

When the MicroCoat system is initiated, steady air pressure supplied to the lubricant reservoir forces lubricant through the filter and flow controls, and out to the valves.

As the line starts, a 3-way air solenoid activates the system. As the valves open, Low Volume Low Pressure (LVLP) air transfers a fine, consistent film of lubricant onto the stock surface.



- 1** Select either 1 or 2 MicroCoat fluid manifolds. For narrow stock, (under 12" wide) single oil use stamping operations, select one fluid manifold. For wider stock (12" – 24" wide) or multiple oil use, select two fluid manifolds.

## Configure your system as easily as 1, 2, 3

The unique modular system design of the MC800 Series System allows you to configure the system to your specific application requirements. Follow our easy Step 1, 2, 3 guidelines.

Start with the base controller unit, Model MC800. The MC800 provides the necessary pneumatic controls for the MC785M valve and reservoir pressure output control.



- 2** Choose appropriate number of flow controls.



- 3** Choose number of Block-Off plugs (one for each unused manifold port) to complete your configured MC800 controller.

*"We stamped over 900,000 parts using only 1 gallon of oil. When we checked the tool under a microscope, there was no visible wear."*

*Ajay Sharma, Manufacturing Engineer  
Zierick Manufacturing Corporation*

*"The MicroCoat has increased die life 50%, reduced maintenance and downtime, and given us greater production capacity. Plus, part consistency is dramatically better."*

*Dennis Herdegen, Vice President of Manufacturing  
ETCO Inc.*



# MicroCoat MC800 Series

## MicroCoat valves

MC785M: Standard valve  
Maximum coverage is 82.6 mm (3.25")

MC785M-WF: Wide fan valve  
Maximum coverage is 165.1 mm (6.50")

### Valve specifications

Size: 66.29 mm H x 49.28 mm W (2.61" x 1.94")

Weight: 206.4 g (7.28 oz)

## Choose from a variety of reservoirs:

4 liter (1 gal.) or 8 liter (2 gal.) acrylic see-through tank

19 liter (5 gal.) or 76 liter (20 gal.) stainless steel tanks

24 liter (6 gal.) Pump/Regulator tank system

## Custom options include:

MC480M Flow guard to signal low or high flow alerts (connects directly to the press emergency stop circuit). Specify for 100, 120 or 220V.

MC690M-FR Fluid Regulator when using a central pressroom reservoir to step down the fluid pressure into the fluid control manifold

MCSHROUD to lock out MC800 air and fluid flow controls

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