MicroCoat® Lubrication Systems

PARTS & ACCESSORIES LIST
MicroCoat® Accessories

MicroCoat System Stands
Aluminum stands offer convenient, stable mounting of controller and tank reservoir.
Part# 7008017

Valve Alignment Tool
Use to position the valve to provide exact spray coverage. Includes (3) standard and (3) wide fan templates.
Part# 7023866

Brackets
MicroCoat controller brackets
Part# 7022163
MicroCoat tank brackets
Part# 7023858

Valve Alignment Template
Use on valve alignment tool. Cut to stock width. (5) per bag.
Part# 7021095
For use with MC785M (Part# 7008020)
Part# 7021097
For use with MC785M-WF (Part# 7008013)

Lubricant Filters
Filters small particles from the lubricant. Assembly includes mounting bracket and fittings
Part# 7022156
(Note: Includes Part# 7022210 special 6mm fluid tee fitting)
Part# 7017347
Replacement filters, (4) per box

Shield
Control panel shield with lock prevents unauthorized adjustment of flow controls. Mounts directly onto MC800 (Part# 7008008) controller. Clear Lexan™ cover with key lock.
Part# 7023891
MicroCoat® Accessories

Air Connector / Manifold
Connects air hoses from the controller to the valves.
Each of the following contains a set of 2 connectors / manifolds.
- Part# 7022203 Single valve connector
- Part# 7022205 Dual valve connector
- Part# 7022157 (shown) Air manifold, 4 port
- Part# 7008011 Air manifold, 8 port

Pilot Valve Replacement Kit (Part# 7022245)
Pilot valve mounting product assembly includes: precut tubing, push-in fittings and mounting hardware.

MC751M (Part# 7023872)
For in-die lubrication. Provides ON/OFF oil flow control to in-die ports.

Filter/Regulator, MC800 (Part# 7008008)
5-micron filter/regulator to insure clean, dry air into MC800 controller.
Part# 7022158
MicroCoat® Accessories

Solenoids
3-way solenoid used to provide on/off switching and control. Tied to press run/clutch circuit. Order appropriate cordset to match solenoid voltage.

- Part# 7008014 24 volt DC solenoid
- Part# 7022162 24 volt AC solenoid
- Part# 7022159 100 volt AC solenoid
- Part# 7022160 120 volt AC solenoid
- Part# 7022161 220 volt AC solenoid
- Part# 7016694 AC solenoid cordset
- Part# 7008016 DC solenoid cordset

Fluid Regulator
Provides stepdown fluid pressure control when used with pressurized central fluid systems to feed directly into the MicroCoat MC800 (Part# 7008008) controller.

- Part# 7023854 Consists of MC filter assembly with fluid regulator attached

Flow Guard
Provides effective press/die protection by (1) monitoring lubricant flow, and (2) automatically stopping the press if a high or low flow condition occurs.

- Part# 7023836 120 VAC version
- Part# 7023837 220 VAC version

Includes a flow sensor (Part# 7017529) and Flow Sensor Controller

Tubing
Urethane tubing of various O.D.

For MC785M valves
- Part# 7008007 4 mm, black
- Part# 7022171 4 mm, clear
- Part# 7008006 4 mm, white

MC800 controller outlet tubings to air manifolds
- Part# 7022175 6 mm, black
- Part# 7022176 6 mm, white

System input air lines: constant and control air
- Part# 7022180 8 mm, black
- Part# 7022181 8 mm, white

Spiral wrap for air/feed lines
- Part# 7023377 13mm spiral wrap, black
MicroCoat® MC800 Series Components

MicroCoat Spray Valves
Compact, low-maintenance valve with 4 meter tubing (clear, white, black) and mounting clamp included. Valve fits between the stock feed and die, and applies lubricant in a fine, uniform film without mist or overspray. To simplify installation, refer to valve mounting hardware product sheet.

MC785M (Part# 7008020)
Standard Fan Spray valve up to 3" coverage
MC785M-WF (Part# 7008013)
Wide Fan Spray valve up to 6" coverage

Fluid Manifold
Divides the fluid flow to the different MC785M (Part# 7008020) valves. Each manifold accepts up to (4) flow controls.

Part# 7008010 with pressure sensor
Part# 7008003 without pressure sensor
Part# 7022182 pressure switch, 10 PSI

Fluid Flow Control Valve
Provides independent flow control of the fluid lubricant to each spray valve. Each blue ring on the indicator stem signifies one complete rotation.

Part# 7008004

Manifold Block-off Plug
Used to block off fluid flow in unused manifold port.

Part# 7008005

MicroCoat Controller
The base controller provides operation of system on/off; Auto/Run or Manual mode; reservoir and nozzle air pressure controls.

MC800 (Part# 7008008)
MicroCoat Controller
MC800-15 (Part# 7023877)
MicroCoat Controller with 0-15 psi

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Sales and service of Nordson EFD dispensing systems are available worldwide.
MicroCoat® Valve Mounting Hardware

Expansion Mount
Fits in the press window of four post stamping presses. No need to drill or fabricate attachment hardware; the fixture expands to fit securely between the two posts of the press. Includes (2) sets of 1/2” diameter stainless steel rods and mounting hardware. Two sizes available for press windows up to 12” or 24”. Contact EFD if longer lengths are required.

- Part# 7023864 Expansion mount kit (12”)
- Part# 7023865 Expansion mount kit (24”)

Gantry-style Mount
For installing on bolster plate or other flat area. Includes (4) part# 7023862 cross clamps, (2) 9.4” threaded vertical rods, (2) 15.75” horizontal rods and (1) 13.75” base plate. Vertical rods can be purchased separately for use with 8 mm x 1.25 mm threaded magnetic mounts.

- Part# 7023867 Gantry-style mount kit
- Part# 7021103 Horizontal rod
- Part# 7021102 Threaded vertical rod

Extension Rod
Use with cross clamp to extend valves beyond press window. Stainless steel rod 1/2” in diameter by 4” long.

- Part# 7021098

Cross Clamp
Use to extend valves from expansion or gantry mount.

- Part# 7023862

Mounting Rod
Stainless steel rod 1/2” in diameter by 10” long.

- Part# 7021060

Valve Mounting Clamp
Use to mount MC785 valves to 1/2” diameter rod. Note: (1) included with each MC785M valve.

- Part# 7021742
MicroCoat® Tanks

Tank Reservoirs
Clear acrylic reservoirs allow easy viewing of oil level and feature a low-level float switch, lubricant filter assembly. Mounting brackets included.

Part# 7023843 3.8 liter or one gallon tank
Part# 7023846 7.5 liter or two gallon tank

19 liter or five gallon reservoirs are made of 304 stainless steel and include a low-level float switch and lubricant filter assembly. Units are freestanding. The MC687-DFS (Part# 7023848) has a second float switch that can be wired to a warning device.

Part# 7023849 Five gallon tank with low-level float switch
Part# 7023850 Five gallon tank with double float switch (detects mid and low level)

MicroCoat Pump/Reservoir System
The MC600 system is a gear-type pump that provides consistent fluid feed to the MC800 (Part# 7008008) controller. For lubricant use only. Features include a 6-gallon or 22.71 liter capacity fluid tank, low fluid level detection switch and the MC690-FR (Part# 7023853) fluid regulator.

Part# 7023841 120V motor
Part# 7008002 220V motor

Part# 7020470 Single float switch kit (included)
Part# 7008012 Dual float switch kit (order separately for auto refill)

20 gallon or 75.71 liter pressure pot style tank
Part# 7022787
General Fluid Coating
Application Profile

For recommendations, please complete and fax to 401-431-7079.
If you prefer immediate application assistance, please call:
USA & Canada: 800.556.3484 or +1-401.431.7000
Europe: 0800 585733 or +44 (0) 1582 666334
India: +91 80 4021 3600 Asia: +86 (21) 3866 9006
email: info@nordsonefd.com
For online information, please visit: www.nordsonefd.com

7. What is the available height above and below the material where spray nozzles could be mounted?
   __________ above
   __________ below

8. How fast is the material feed?
   _______ fpm

9. What process improvements do you want?
   ☐ controlled coverage ☐ reduce rejects
   ☐ reduced maintenance ☐ increase output
   ☐ clean work environment ☐ cut fluid use
   ☐ other __________________________

10. Do you have further comments or questions?

Action requested ...
   ☐ Please call to confirm EFD MicroCoat System will meet my requirements and to make recommendations.
   ☐ I am interested in a no-charge evaluation.
   My phone number is: ___________________ ext. ________
   Best time to call is: _______ am _______ pm