



From Lab to Production,  
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Raw Materials



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Pressure &  
Temperature



Sustainability



Material Analysis



Profitability  
Scrap Reduction  
Quality Improvement

# LMI Melt Flow Indexer Accessory Reference Sheet



## LMI Melt Flow Indexer Accessory Reference Sheet

Below is a list of accessories that are essential for the maintenance and cleaning your Dynisco Melt Flow Indexer. Regular maintenance and cleaning will help ensure accurate test results and the longevity of your machine. All products listed below are available for purchase from us.



### Melt Flow Indexer Maintenance Toolkit PART NUMBER D5000-TOOL

- » Contains charging tool, cleaning tool, barrel cleaning rod, and orifice removal tool (with knobs)
- » Palette knife, pin vise, Go/NoGo gauge
- » Hand guards for charging and cleaning tools, fill funnel, balance, 10mL beaker, wire brush attachment, 1000pc. cleaning patches
- » Tool Rack and Carrying Case included

Accessories also available for individual purchase — see below product listings.



#### Orifice Remover Tool

PART NUMBER 0051-35

- » Used to remove the carbide orifice from the LMI during cleaning
- » Knob sold separately; see GP3011



#### Charging Tool

PART NUMBER 0051-36

- » Used to pack in a polymer charge into an LMI's barrel
- » Knob sold separately; see GP3011



#### Cleaning Tool

PART NUMBER 0051-40

- » Used with cotton patches to swab out an LMI's barrel of polymer after testing
- » Knob sold separately; see GP3011



#### Knob Handle for Charging, Cleaning, and Orifice Tools

PART NUMBER GP3011

- » Handle used for the charging, cleaning, and orifice remover tools.
- » Not included with the above tools



### Beaker, 10mL

PART NUMBER GP0300

- » Used to weigh and hold polymer pellets for use in a melt flow indexer



### Pin Vise

PART NUMBER 0051-38

- » Used to secure the drill bit in place while cleaning off polymer in the carbide orifice after a test.



### Bronze Scoring Rod

PART NUMBER 0051-47

- » Used after thorough swabbing of the LMI's heating chamber. The bronze brush scores the surface of the barrel to clean out tough polymer residue.
- » Bronze Scoring Brush not included, see below.



### Bronze Scoring Brush

PART NUMBER B0555

- » Replaceable scoring brush that can be threaded into the scoring rod. The bronze brush scores the surface of the LMI's internal barrel to clean out tough polymer residue.
- » Bronze Scoring Rod not included, see above.



### Carbide Orifice

PART NUMBER 0051-46

- » Die with central capillary within  $\pm 0.0002$ in. of the listed diameter
- » Inserted into the barrel of a LMI's heating chamber, plastic melt flows through



### .0823 Go/ .0827 No-Go Gage for Carbide Orifice

PART NUMBER 0051-55

- » Used to measure the capillary of a carbide orifice to ensure that its diameter is within tolerance. If the capillary is within tolerance, it will fit into the "Go" side of the gauge (0.0823in.) and will not fit into the "No-Go" side of the gauge (0.0827in.).



### Palette Knife

PART NUMBER 0051-53

- » Used in manual cutting of polymer samples during certain test methods.
- » Optional on LMI5000 and LMI5500 series melt flow indexers equipped with autocutter mechanisms



### Tool Rack For LMI-Series Melt Flow Indexers

PART NUMBER 6052-16. Does not include any of the shown tools. Order separately, or see [D5000-TOOL].

- » Convenient tool organizer for all LMI-series operational and maintenance equipment.
- » Does not include shown tools. Purchase separately from models in catalog, or see our comprehensive toolkit offering at [D5000-TOOL].



### Piston Assembly For LMI-Series Melt Flow Indexers

[Model shown is PART NUMBER 7051-72. Contact a Dynisco representative to determine your piston model.

- » Key component of any LMI unit, the piston extrudes a polymer by applying a steady, constant force into the barrel of the LMI, forcing it through the capillary.
- » Piston assemblies may vary depending on the generation of your Dynisco Melt Flow Indexer. If you do not know the model number of your piston assembly, contact a Dynisco representative.



### Orifice Brush

PART NUMBER GP0310

- » Used to clean the inside of the carbide orifice to remove residual plastic material



### Funnel

PART NUMBER 0051-80

- » Used in filling the barrel of a melt flow indexer with a polymer charge of predetermined weight and volume.



### Cotton Swabbing Patches, 1000pc.

PART NUMBER GP0103

- » Used with the cleaning tool to remove the residual polymer from the LMI's heating chamber.



### Laboratory Weighing Scale

PART NUMBER 1192001

- » Used in certain types of testing with the LMI to determine the mass of polymer samples.
- » Accurate to the third decimal place, three-door glass shield chamber, comes with a mini-USB cable and 2 USB connectors.



### High Flow Plug

PART NUMBER 0051-83

- » Used to limit the flow of low-viscosity polymers during the melt time in most LMI tests





## Bore-Cleaning Power Drill Kit

PART NUMBER 8052-97K

- » Cordless DEWALT right-angle power drill with 20v battery and included charging station and carrying case
- » Two bore-cleaning rods (11in. & 8.5in.)
- » Bore-cleaning tip included
- » Contains everything required to clear the bore of an LMI melt flow indexer of residual polymer melt and other obstructions for optimal accuracy and longevity

Components also available for individual purchase — see below product listings.



### DEWALT Right-Angle Cordless Power Drill

PART NUMBER 8052-97

- » Standard cordless drill with a modified shape for easier use when cleaning an LMI's barrel, main component of bore-cleaning kit
- » Includes a 20v battery, charging station, and a carrying case



### Bore Cleaning Rod (11in)

PART NUMBER 8052-99

- » Rod extension for a power drill used to clean the whole depth of the barrel with a bore-cleaning tip
- » 11 inches long, see below for 8.5in version



### Bore Cleaning Rod (8.5in)

PART NUMBER 8052-99A

- » Rod extension for a power drill used to clean the whole depth of the barrel with a bore-cleaning tip
- » 8.5 inches long, see below for 11in version



### Bore Cleaning Tip (8.5in)

PART NUMBER 8052-98

- » Tip used to score and clear plastic residue from the barrel of an LMI melt flow indexer. Used with a bore cleaning rod and a power drill, more details above.



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If you come across anything that is not clear to you or has not been sufficiently explained, do not hesitate to contact our technicians.

