

## LMI6000 SERIES

### MELT FLOW INDEXER WITH AUTO-LIFT

- Integration of electromechanical auto-lift for automatic weight handling
- Unit capable of Method A, A/B, B, C & D testing
- The unit will also perform Intrinsic Viscosity (IV) testing for PET and ASTM D3364 for PVC materials
- Adjustable Side Mounted Touchscreen Display (Left-Mounted or Right-Mounted Display Options Available)
- Updated Hardware Architecture for a faster and smoother performance
- Dedicated Front-Facing Power Switch to ensure all data is saved before shutdown
- LMI6000 is capable of being configured in Single or Multi-Weight versions

### IMPROVED PERFORMANCE

The LMI6000 Series marks a new generation in convenience, accessibility, and performance. A new electromechanical lift mechanism automates the placement of weights. Additionally, a larger adjustable and repositionable touchscreen interface, upgraded hardware architecture, and software automation for running tests with a single press of a button, the LMI6000 is as convenient as ever.

### ADVANCED SOFTWARE

Tests can now be run without manually lifting weights with the assistance of the electromechanical lift feature, allowing for simultaneous test runs between multiple machines. The addition of the lift increases operator safety through mitigating the amount of repetitive weightlifting, while also improving test accuracy through the automated loading and unloading of weights. The IoT native software of the LMI6000 allows for connection to the Dynisco IoT Cloud Console for direct access to your testing information. This platform also allows you to correlate the lab testing performed on the LMI5500 to online production rheometers that are connected to Dynisco IoT Cloud Console. By comparing this important data, lot to lot traceability for material certifications is handled easily and can be viewed instantaneously globally on your computer, smartphone, or tablet.

### INCREASED ACCESSIBILITY

Additionally, a new hardware architecture allows for a faster and smoother navigation experience. The dedicated front power switch ensures that the LMI is shut down safely, saving all data before cutting the power. Lastly, the larger side mounted display allows for a better user experience with its ambidextrous screen mounting, vertical adjustability to conform to operator height.

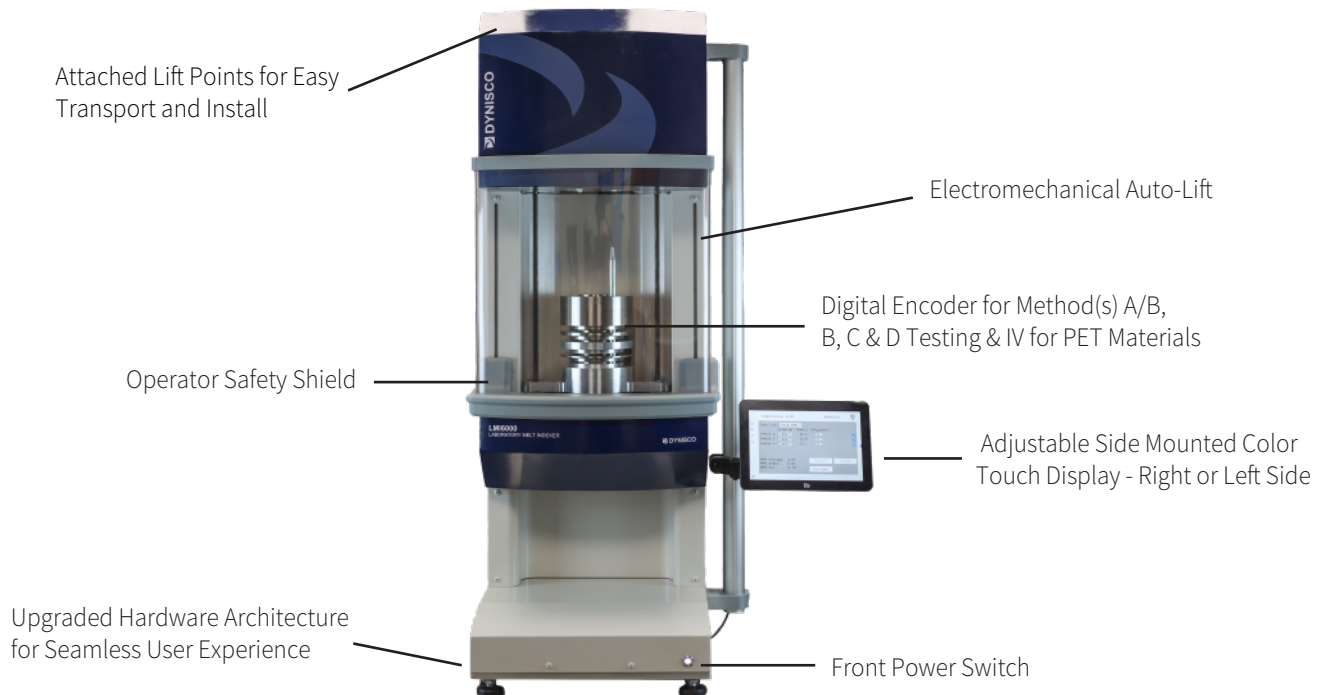


## FEATURES

- Gravitational correction is enabled on the LMI6000 ( see manual). Gravitational forces differ in countries that are closer to equator latitudes such as Malaysia, Indonesia & India
- Windows 10 IoT touch screen native interface
- Performance meets international standards: ASTM D1238 & D3364, ISO 1133-1, BS2782, DIN 53735, JIS K7210
- Built in WIFI and ethernet connectivity
- Increased access to die for sample cutting with a strategically placed mirror to easily view the die and cutting area
- Automatic sample cutter for ease and consistency in sample cutting
- Intrinsic Viscosity (IV) measurement included as standard on all devices.
- Supports multiple languages (English, French, German, Dutch, Spanish, Portuguese, Italian, Polish, Czech)
- Printing & Flash Storage Available
- Customer can connect Dynisco’s High Resolution 3-Digit scale to the LMI6000 through one of the 4 USB Ports on the unit

LMI6000 SERIES OPTIONS	
<b>DYNISCO IOT CLOUD CONSOLE</b>	Dynisco’s IoT Managed Service Contract option provides our customers with a comprehensive access to their rheological data, correlations, and dashboards. The IoT native software of the LMI6000 allows for connection to the Dynisco IoT Cloud Console for direct access to your testing information. This platform also allows you to correlate the lab testing performed on the LMI6000 to Dynisco’s online production rheometers that are connected to the IoT Cloud Console. By comparing this important data, lot to lot traceability for material certifications is handled easily and can be viewed instantaneously & globally on your computer, smartphone, or tablet.
<b>DIGITAL ENCODER</b>	The Digital Encoder provides a volumetric measurement of piston displacement during method A/B and B tests.
<b>AUTOMATIC SAMPLE CUTTER</b>	The Automatic Sample Cutter cuts samples at defined times in Method A and Method A/B Testing. It is also designed to make the “waste cut” at the end of the pre-heat time. Leads to more consistent sample cutting than operators cutting by hand.
<b>SINGLE OR MULTI-WEIGHT STACK VERSIONS</b>	Unit can be configured as a Single or Multi-Weight System. The Automated Weight Lift System is more Automated, Ergonomic, Safe & Efficient than hand loaded systems.

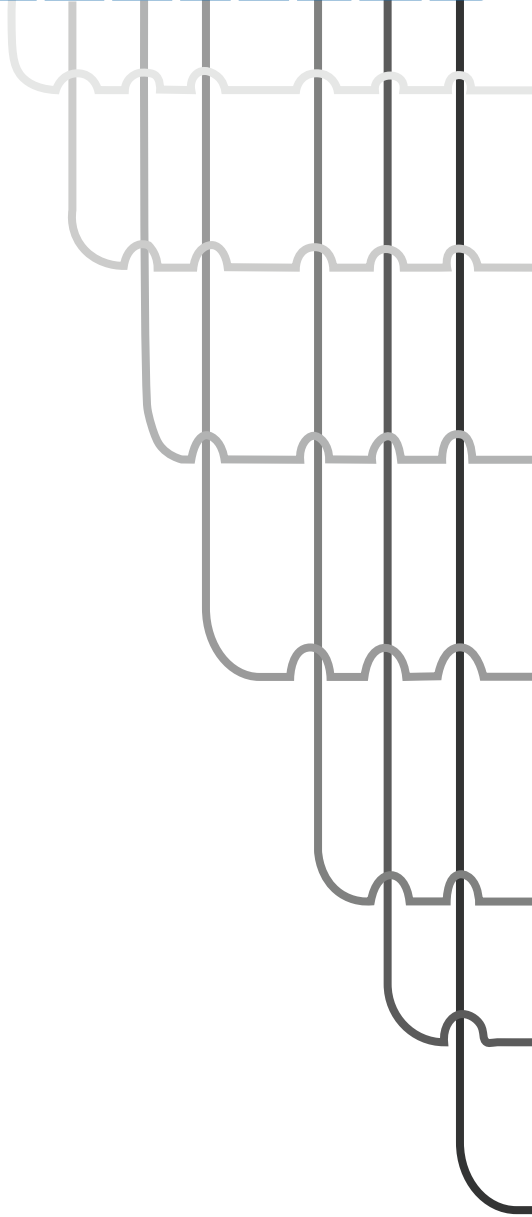
PERFORMANCE CHARACTERISTICS	
COMPLIANT STANDARDS	ASTM D1238 & D3364, ISO 1133-1, BS2782, DIN 53735, JISK7210
OPERATING TEMPERATURE	Ambient to 400°C
TEMPERATURE CONTROL	±0.1°C
DIGITAL ENCODER ACCURACY	±0.025 mm over 25.4 mm
COMMUNICATION	USB x 4, PC Connectivity, Scale Interface, Printing and Flash Storage
WEIGHTS	Range of 0.325 kg to 31.6 kg
USER INTERFACE	10.2" Color Display with Capacitive Touch Screen
DIMENSIONS	
OVERALL DIMENSIONS	18W x 21D x 51H in. (46W x 54D x 130H cm)
WEIGHT	152 lbs. (69 kg) without weights 31.6 kg Full stack ASTM 21.6 kg Full stack ISO
SHIPPING WEIGH, WITH WEIGHTS INCLUDED	300 lbs. (136 kg)
CRATED MACHINE SHIPPING DIMENSIONS	LMI6000 w/lift will ship horizontally
ELECTRICAL SPECIFICATIONS	
SYSTEM VOLTAGE	100-120Vac 50/60Hz or 220-240Vac 50/60Hz
POWER	500W max, 100W typical at set point



# LMI6000 ORDERING GUIDE

CONFIGURE YOUR EXACT PRODUCT DESCRIPTION WITH THE TABLE BELOW.

LMI6000 X X X X N X X H



### VOLTAGE

- 1 = 120v/60hz
- 2 = 220v/50-60hz

### WEIGHT LIFT STYLE

- S = Single Weight Lift
- L = Multi-Weight Lift

### DIGITAL ENCODER

- N = No Digital Encoder
  - E = Digital Encoder Installed
- Note: Digital Encoder is required for Method A/B, B, C & D Testing and PET IV correlation

### BARREL TYPE

- N = Tool Steel
  - H = Haynes 242 Lined Barrel Installed
- Note: Recommended for Corrosive Applications

### AUTOMATIC SAMPLE CUTTER OPTION

- N = No Automatic Sample Cutter
  - C = Automatic Sample Cutter Installed
- Note: Consult factory for feasibility check on High Melt Flow Rate or Extremely Hard Materials

### TEST STANDARD COMPLIANCE

- N = ASTM D1238 or ISO 1133-1

### BARREL TEMPERATURE

- H = 500°C
- Note: If left blank the LMI6000 will come at the standard 400°C



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