TORONTECH

MELT FLOW INDEXER - MFI TESTER - TORONMFI™-SERIES

MFI Melt Flow Indexers / Extrusion Plastometers - ToronMFI™-Series

Welcome to the ToronMFI™-Series MFI Melt Flow Indexers and Extrusion Plastometers – the most precise and reliable instruments for evaluating the melt flow properties of polymers and thermoplastics. Designed to meet the highest standards in the industry, the ToronMFI™-Series ensures accurate testing results that adhere to ASTM D1238 and ISO 1133 standards, making it your trusted choice for Melt Flow Tester applications. Whether you're conducting basic or advanced melt flow tests, the ToronMFI-Series has a solution tailored for your needs.

Accurate Testing for Melt Flow Rate (MFR) and Melt Volume Rate (MVR)

The ToronMFI-Series provides advanced tools for measuring Melt Flow Rate (MFR) and Melt Volume Rate (MVR), key parameters for understanding polymer flow behavior. These measurements are essential in a range of applications, including quality control, research, and development in industries like plastics manufacturing and polymer processing.

1. MFR measures the rate at which a polymer flows under a specific temperature and pressure. It is an essential metric for understanding the processability and suitability of polymers for different applications.
2. MVR, on the other hand, measures the volume of polymer that flows per unit of time, providing a more detailed insight into the material’s viscosity and flow characteristics under stress. Both MFR and MVR testing are crucial for ensuring the quality and performance of thermoplastic materials.

Industry-Leading Standards: ASTM D1238 and ISO 1133

The ToronMFI™-Series MFI Melt Flow Indexers are designed to comply with global industry standards, specifically ASTM D1238 and ISO 1133. These standards define the test methods for measuring Melt Flow Rate (MFR) and Melt Volume Rate (MVR) for thermoplastics.

1. ASTM D1238: This standard provides a test method for measuring the flow rate of thermoplastics using an Extrusion Plastometer. The procedure ensures consistent results, making it a critical tool for material selection and quality control.
2. ISO 1133: The international equivalent, ISO 1133, specifies the methods for determining the MFR and MVR of thermoplastics under standardized conditions, ensuring that results are comparable across various testing environments.
   By adhering to these standards, the ToronMFI-Series guarantees that your melt flow tests are both accurate and compliant with industry norms, ensuring the reliability of your test data.

Why Choose ToronMFI™-Series Melt Flow Indexers?

1. Compliant with Industry Standards: The ToronMFI™-Series MFI Melt Flow Indexers and Extrusion Plastometers conform to the rigorous standards of ASTM D1238 and ISO 1133, ensuring globally recognized and reliable test results.
2. Comprehensive Testing Capabilities: From MFR testing to MVR analysis, the ToronMFI-Series offers a wide range of capabilities for testing polymer flow behavior, making it ideal for research, development, and quality control.
3. Precision and Accuracy: Designed for high accuracy and repeatability, the ToronMFI-Series ensures your melt flow tester delivers consistent, reliable results, every time.
4. User-Friendly Operation: With intuitive interfaces and automated functions, the ToronMFI-Series is easy to use, reducing training time and increasing productivity in your lab or manufacturing facility.
5. Cost-Effective Solutions: Whether you need a basic MFR tester or a high-performance extrusion plastometer, the ToronMFI-Series offers exceptional performance at a competitive price, giving you the best value in the market.

Each of the ToronMFI™-Series models is engineered to meet specific melt flow testing requirements, from entry-level MFR testing to advanced MFR and MVR testing. Explore the models in detail below to determine which MFI Melt Flow Indexer or Extrusion Plastometer is the best fit for your application.

TECHNICAL SPECIFICATIONS

The ToronMFI-Series includes three distinct models, each designed to meet different testing requirements. Whether you're testing MFR or need MVR capabilities, we offer a model that suits your needs and budget.

ToronMFI™-A: Base Model for MFR Testing

The ToronMFI™-A is the entry-level model in the ToronMFI-Series. Designed specifically for Melt Flow Rate (MFR) testing, the ToronMFI™-A is ideal for labs and manufacturers who require a reliable and affordable Melt Flow Tester for basic MFR measurements. It delivers high accuracy and repeatability, ensuring that your extrusion plastometer testing meets industry standards without the need for advanced features.

ToronMFI™-B: Mid-Range Model for MFR and MVR Testing

The ToronMFI™-B offers enhanced functionality, capable of measuring both MFR and MVR. This mid-range model is perfect for labs and production environments that require more comprehensive melt flow analysis. By measuring both MFR and MVR, the ToronMFI™-B gives you deeper insights into the material's viscosity and flow characteristics, making it an invaluable tool for polymer processing and quality control.

ToronMFI™-D: High-End Model with Advanced Features

For high-demand applications, the ToronMFI™-D is the premium model in the ToronMFI-Series. With advanced temperature control, automated data collection, and superior precision, the ToronMFI™-D provides the most accurate MFR and MVR measurements available in the market. Designed for high-volume testing and complex materials, this extrusion plastometer offers unmatched performance and value, providing the best price-quality ratio for labs and industries that require cutting-edge testing capabilities.

TORONTECH.com

TORONTECH

Torontech Inc.
251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC
601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE
Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE

Phone: +971 488 19252
Email: me@torontech.com

USA | Canada | EU | UAE | GCC | KSA | India | Africa | Latin America | Asia