

# Melt Flow Indexer - Automatic

## Model: XNR-400D

*a measurable difference...*

# IDM<sup>®</sup>

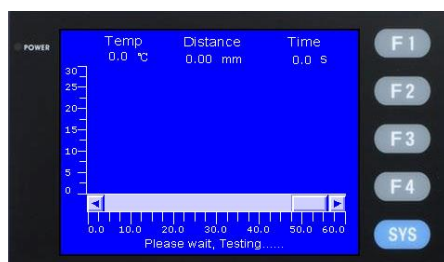
## instruments

The Melt Flow Indexer is for determining the MVR and MFR of thermoplastic. This model can test the high melt temperature such as PC, Fluor plastics and nylon, along with PE, PP, POM, PS, ABS resin which has low melt temperature.

The specimen is melted under high temperature by heating the furnace. The melted specimen flows out a specified hole under the given load. In plastic producing activities, we usually use the melt index to measure the physical properties of the polymer, such as the fluidity or viscosity etc.

### Standards:

- ASTM D1238
- ASTM D3364
- ISO1133



### Features:

- High accuracy in sampling, high control speed
- PLC controlled
- Touch LCD display
- Cuts the test sample automatically
- Automatic printout of test results
- Curve displayed on LCD indicator
- Intelligent, modular system which offers flexibility of testing and increased automation
- The main base unit can be configured for either manual or fully automatic testing

### Specifications:

<b>Temperature Range</b>	Ambient to 400°C (±0.5 °C)
<b>Resolution Ratio</b>	0.1 °C
<b>Test Resolution Levels</b> 3.187 – 211.82N	Calibrated loads are to total value stamped on weight with correct piston (0.325kg, 1.2kg, 2.16kg, 3.8kg, 5.0kg, 10.00kg, 21.6kg)
<b>Diameter of Die</b>	Ø2.095mm (±0.005mm)
<b>Length of Die</b>	8.000mm (±0.025mm)
<b>Diameter of Piston Head</b>	Ø9.475 (±0.015mm)
<b>Length of Piston Head</b>	6.350 (±0.100mm)
<b>Length of Cylinder</b>	160mm
<b>Working Environment</b>	Temperature: 10 to 40°C   Humidity: 30% to 80%
<b>Power</b>	220V @ 50Hz
<b>Weight</b>	30kg

