



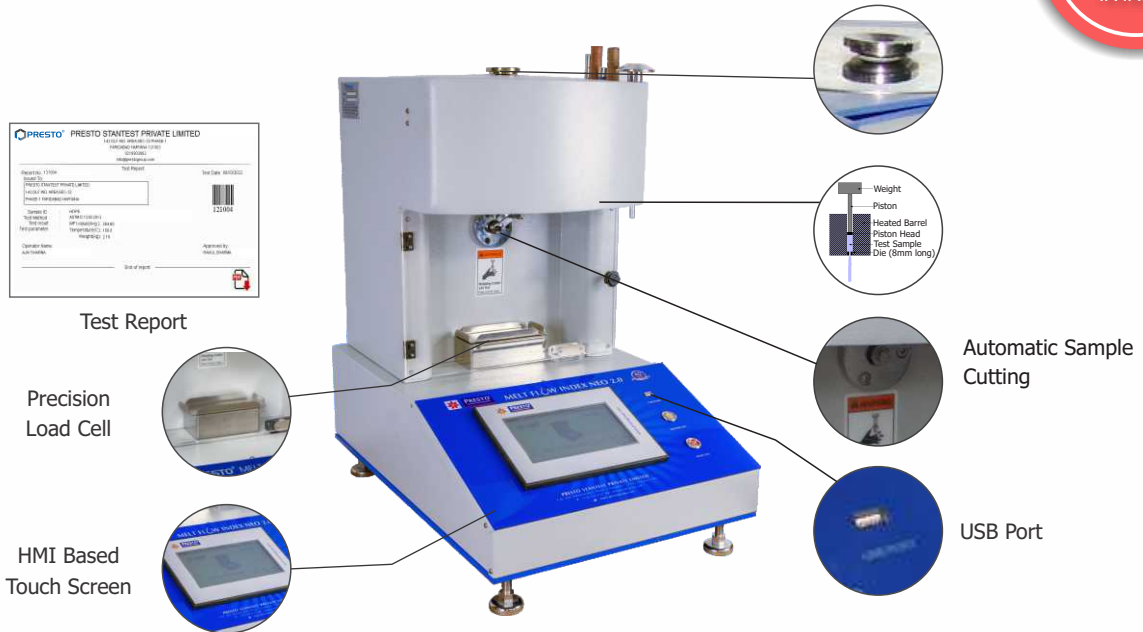
# Presto Stantest Pvt. Ltd.

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## Melt Flow Index - NEO 2.0



### Model No. MFI-NEO 2.0

**Melt Flow Index Tester** – NEO 2.0 Model is a consistent tool useful for checking the flow properties of molten plastics/resins. PRESTO Melt Flow Index Tester is manufactured under various Test Standards ASTM D 1238-1992, IS 2267-1972, IS 2530-1963, IS 10810-1984.

Other model available are Melt Flow Index Tester – Deluxe Model with Digital PID Controller.

- HMI based Touchscreen Model
- Result of MFI for individual test & average of all test.
- Microprocessor based inbuilt PID controller
- Automatic sample cutting
- Temperature setting and Preset Timer functions incorporated in HMI for accuracy and repeatability
- Die Steel barrel for uniform and consistent heating of barrel/test cylinder.
- Test report can be generated in PDF format.
- Program profile for selecting test parameters and performing the test.
- Easy Data Management. User can create product identification, test temperature, time etc.
- USB option available for storing test data (Pen drive not a part of offer)
- Data output in PDF and CSV file format.
- Can be programmed Pre-Heating Time.
- Calculate the Direct MFI value with High precision Load cell interface
- Calculate the Test results Min. /Max. /Avg.

Melt Flow Index is defined as the rate of flow of extrudate of molten resins through a jet of a specific length and diameter under prescribed conditions of temperature, load and piston position inside a heated metallic barrel. Melt flow Index of thermoplastic material is expressed in terms of grams per 10 min of extrudate of molten resins that flow through the heated cylindrical barrel.



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## Key Specifications:

Display	7" HMI Based TFT Colour Touch Screen
Temperature Range	Ambient to 400° C
Accuracy	± 1°C
Least Count/Resolution	0.1°C
Power	220V , Single phase, 50 Hz
Sample Cutting	Automatic Motorized
Temperature Control	Inbuilt PID Temperature Controller
Timer	Inbuilt in HMI Preset Timer upto 999 sec.
Inner Diameter of heating barrel(cylinder)	9.550mm ± 0.007mm
Inner Diameter of Die	2.095mm ± 0.005mm
Diameter of piston head	9.474mm ± 0.007
Material of Heating Barrel(Cylinder)	Die Steel
Sample Cutting Motor	Torque 7Kg/cm <sup>2</sup> , 60RPM
Load Cell	Range 800 gm, Least count 0.01 gm



TEST NO.	WGT	Result
1.	123.45	Pass
2.	123.45	Pass
3.	123.45	Pass
4.	123.45	Pass
5.	123.45	Pass
6.	123.45	Pass
7.	123.45	Pass
8.	123.45	Pass
9.	123.45	Pass
10.	123.45	Pass

MIN VALUE	PREHEAT TIME	CURRENT TEMPERATURE
123.45	123	123.4
WEIGHT (gm)	SET TIME	SET TEMPERATURE
123.45	123	123.4
PRE HEAT TIME	123.45	TEST CYCLES
123.45	123.45	123
MAIN PAGE	TEST RUN	TEST STOP
		TABLE
		STOP

**First time in India**

Features of the touch screen include:

- 8 function keys
- 7" (480 \* 234) 16:9 TFT LCD 65536 colors
- Provides USB Host for USB flash drive
- Supports CF memory card
- USB 1.1 for high-speed screen data download
- 480 x 234 pixels IP 65 compliant
- 3M Flash Memory

## Highlights:

Test Report	Yes, in PDF format
No. of Dead Weights	4 (1.2kg, 2.16kg, 3.8kg, 5kg)
Material	Mild Steel
Finish	Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
Dimensions	400 x 580 x 630 mm

## Standard Accessories :-

- Orifice Inbuilt - 1
- Funnel - 1
- Mirror with stand - 1
- Piston - 1
- Deadweight - 4
- Orifice cleaner - 1
- Barrel cleaner - 1
- Material Charger - 1
- Plumb line - 1
- Spool - 1
- Load Cell with pan in-built - 1

## Optional Features:

- Melt Flow Index Deluxe model also available.
- Other specific deadweight also available on request

Thank you customers for choosing us as your partners in growth !



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## Our Other Products :

Melt Flow Index - NXG	Melt Flow Index - Dx	Melt Flow Index - MFR	Wall Thickness Gauge	Moisture Analyzer MB 45

