

# mi1

MELT FLOW INDEXER



GÖTTFERT  
THIS IS RHEOLOGY

## mi1

Our most compact entry model

A Melt Flow indexer with **high end measuring** relevant components and highest precision by using **minimal automation** modules.



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### Highest precision – minimal automation!




- MFR and MVR measurement according ISO1133 und ASTM D1238 – Procedure A – B - C
- Determination of **Melt Density**
- **High resolution** displacement transducer 0,003mm/Impulse
- Handling of measurement via **single multifunctional Button**
- Display of the Parameter menu and measurement results via **VNC – possible on various PC's**



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## Multifunctional Button

COLOR	FUNCTION
	Red Temperature not reached / Device is heating
	Red flashing Error
	Green Temperature reached / Device is ready
	Yellow flashing Melting time is running
	Green flashing Measurement is running

COLOR	OPERATION	FUNCTION
	Green short pressing	Starting measurement
	Yellow flashing pressing button for 2 sec. pressing button for 4 sec.	Cancel melting time Cancel measurement
	Green flashing short pressing pressing button for 4 sec.	Cutting process started Cancel measurement



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## Our most compact entry model

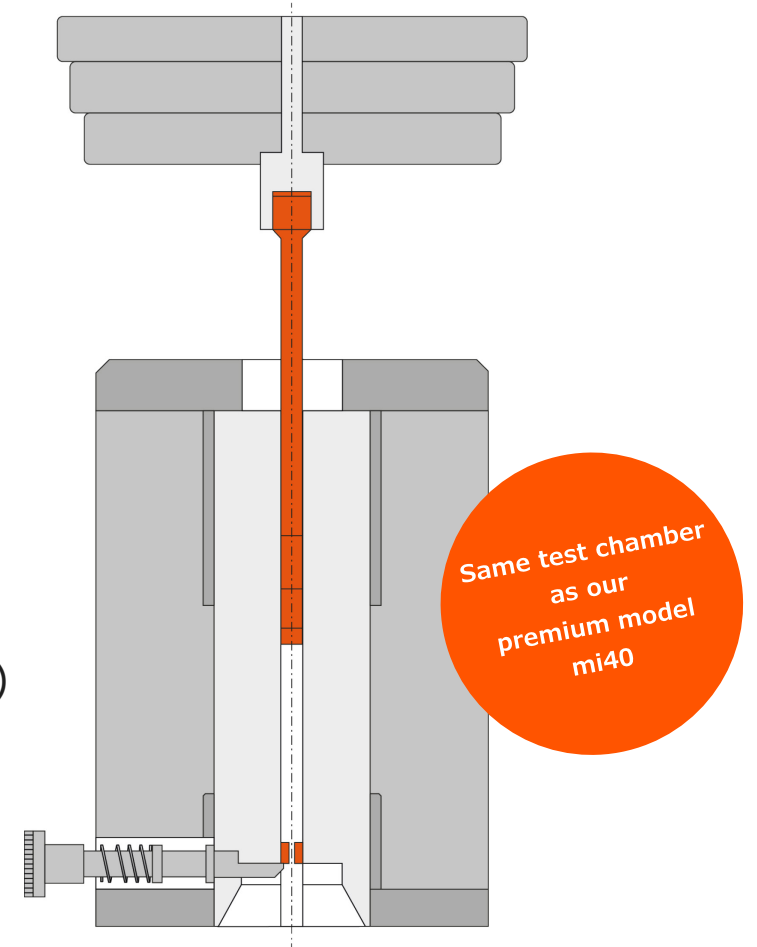
- Full featured and precise Melt Index Tester
- Compact design - space saving installation
- Flexible use at various locations
- Cost efficient solution



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## Temperature profile

- Test temperature profile, controlled by two heater elements/zones
- Temperature profile according ISO 1133 Part 2
- Precise temperature display
- Resolution via 16-bit A/D converter rang
- 0 to 320 °C: 0.01 °C
- 320 to 500 °C: 0.1 °C (option)
- Spatial temperature distribution over used barrel range (0-70 mm before die)
- 0.2 °C (60 ... 400 °C)
- 0.3 °C (400 ... 500 °C) (option)
- 5 calibration settings for set temperatures
- High safety standard – both heater controlled by a watchdog circuit



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## Measurement

- ISO 1133 Method A



- ISO 1133 Method B



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## Data sheet

- High-resolution position transducer - resolution 0.003 mm/Impulse
- Temperature resolution 0.01 °C
- High-precision timer with a **resolution better than 0.001 s**
- 5 calibration settings for temperature
- Storage of up to 500 parameter sets with 3000 measurements each, as a **stand-alone instrument**
- Electronic timer, freely programmable ON/OFF switch of the heaters
- Intelligent service monitoring
- **Multifunctional button** – easy handling
- Flexible Use with various PC´s
- Intrinsic Viscosity





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## Cleaning and filling tools

### Standard Accessoires

- Manual cleaning set
- Die cleaning tool
- Funnel for an optimal filling of the barrel
- Plug gauge



### Optional tools

- Battery cleaning device
- Feeding tools for low viscosity test materials



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## Integrated Interfaces

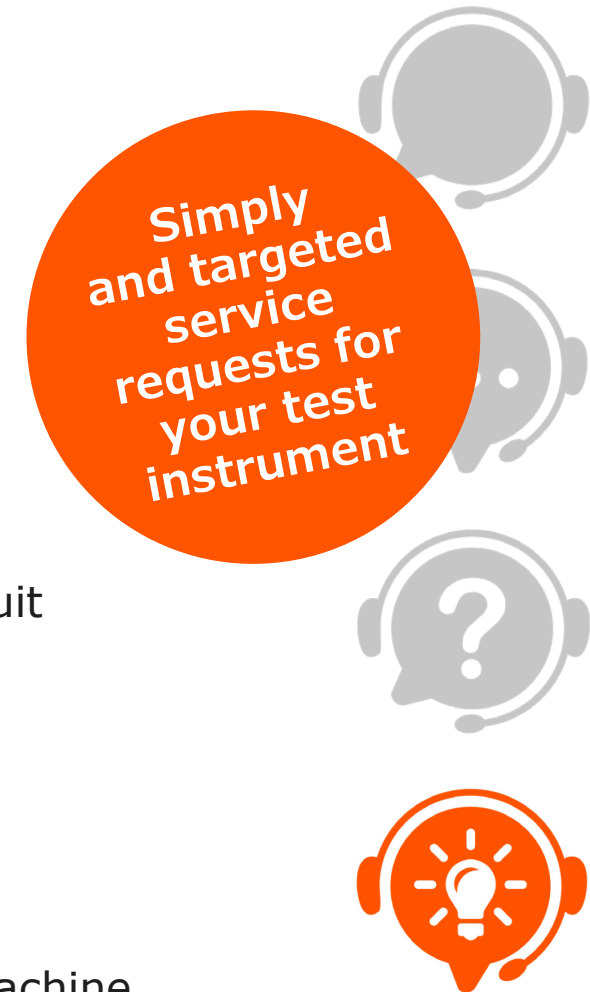
- FTP client – data can be transferred directly via a network
- Ethernet – connection (LAN, TCP/IP, VNC, Web-Server)
- Integrated Web-Server
- Built-in USB-connection (data stick) for data back-up
- Network printing in stand-alone modus



# serviceCONNECT

## Fast support via remote access

- Preferred service processing
- Quick and **easy registration** of your test device
- Overview and tracking of your service requests, information on status
- Overview of **all GÖTTFERT devices**
- Documents relating to the device, such as operating instructions, circuit diagrams, spare parts lists
- Easy and **fast communication** with chat and video function
- Communication with GÖTTFERT via PC and Smartphone
- Direct line to **our service experts**
- Fast reaction times thanks to mobile working directly on site at the machine



# serviceCONNECT

## Fast support via remote access

- Periodic maintenance (according point 4 & 5)
- **Warranty extension** to 24 month
- Labor and travel expenses for scheduled maintenance
- Access to **serviceCONNECT**
- Priority handling for trouble shooting
- Software and firmware **updates**
- 3% discount on spare parts
- **50% discount** on our workshops



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**#TEAM GÖTTFERT**

