



EIRICH

QualiMaster RT1

Rheological measurement in
the Eirich Intensive Mixer

The Pioneer in Material Processing®

Technical features

- Mixer with additional rotational rheometer
- Adjustable measurement conditions
- Mixing pan stands still or runs at low speed to support material flow
- Measuring with configurable step or ramp profiles
- Graphic flow curves and time-based diagrams
- Bingham, Herschel-Bulkley and Thixotropy parameter calculation

The major advantages

- Mixing and measurement in one machine
- Relative in-situ measurement with automatic parameter calculation
- High process safety without material decanting
- Person-independent reproducibility
- Digital data exchange and long-term storage
- Browser-based user interface and easy network access

The unique Eirich mixing principle

- Rotating mixing pan for material transport
- Variable-speed mixing tool for optimum mixing results
- Static multi-purpose bottom/wall scraper for additional agitation of the material flow

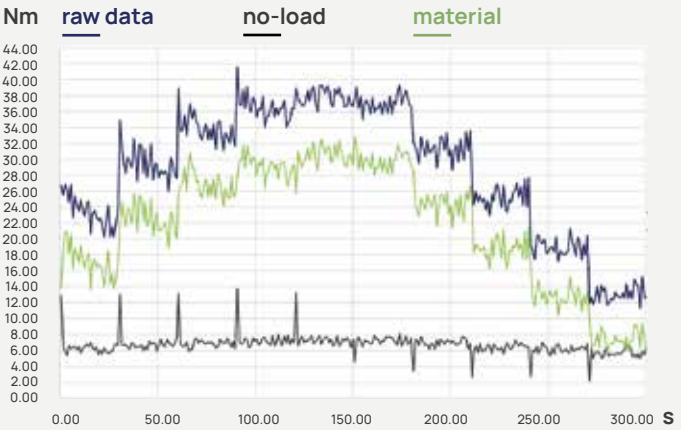


Laboratory mixer,
40 liters capacity

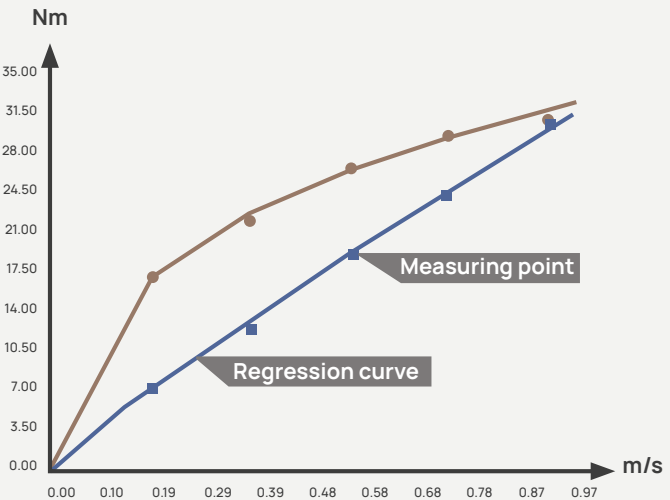
Measurement example

Raw data from step profile
Speed of the mixing tool: 0 - 0.9 m/s
Material: Concrete, SCC

Time-based diagram



Flow curve





The Eirich Group, with the Maschinenfabrik Gustav Eirich as its strategic center in Hardheim, is a supplier of machines, plants and services for mixing technology, granulating/pelletizing, drying and fine grinding. Our core competencies are processes for the preparation of bulk materials, slurries and sludges. We are a family-run company with 16 locations worldwide.

More information at
www.eirich.com