International Association of Operative Millers

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2023 Southeastern, Niagara, Ohio Valley & Wolverine Joint District Conference

September 27-29, 2023

The Westshore Grand Hotel

4860 W. Kennedy Blvd. Tampa, FL

International Association of Operative Millers

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Topics of discussion

- Farinograph models
- >Aqua-Injects

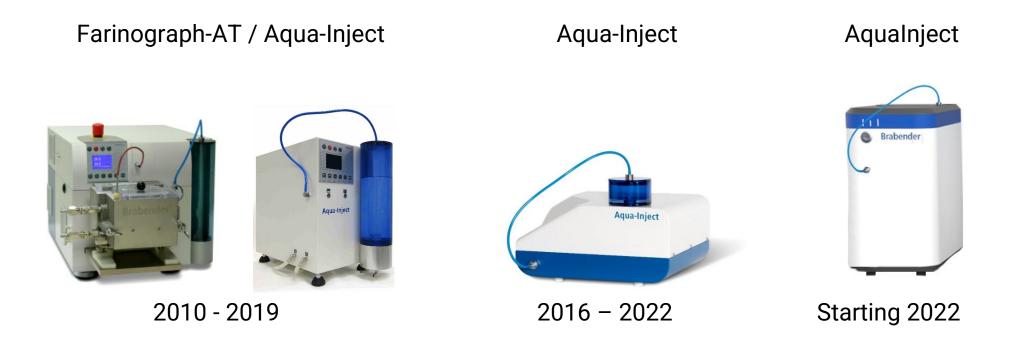
- Farinograph (vintage scalehead type), mechanical
- Farino/Resistograph (various models), mechanical
- Farinograph-E (various models of the E) (can work with AI)
- Farinograph-AT (built-in dosing system)
- Farinograph-TS (works with AI)
- 3 Aqua-Injects models

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where quality is measured

Automatic Dosing Systems for the Farinograph, Various models, from dosing to auto titration

History and Versions



Benefit of the new Aqualnject

- ✓ Supporting 300 g and 50 g mixers
- Processing of titration curves
- Two speed mode (200 + 600 ml/min)
 - Automatic speed selection when the mixer is selected
 - Manual selection when dosing for other applications (e.g. P600)
- ✓ Use for other equipment possible (e.g. 105 ml for ViscoQuick)
- Stepless water level display
- Built-in power supply
- ✓ No external thermostat required for heating the titration water



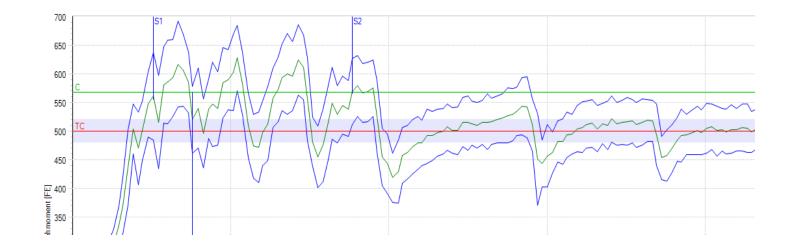
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.. where quality is measured

Application Automatic Titration Curve

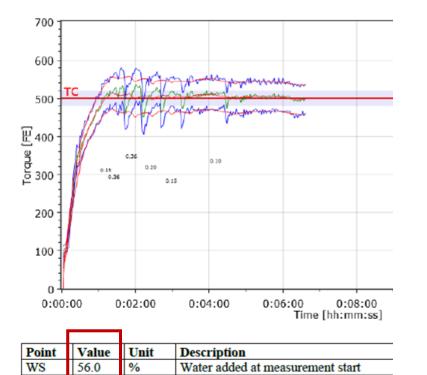
Finding of the right water absorption by using an automatic dosing system

- ✓ No influence by the user (Independent process)
- ✓ No incorrect reading of the burette
- Complete documentation of the titration in the software
- Time saving (No need to monitor the dosage)



Application Automatic Titration Curve - Example

One wheat flour – various starting dosages



Predicted water absorption

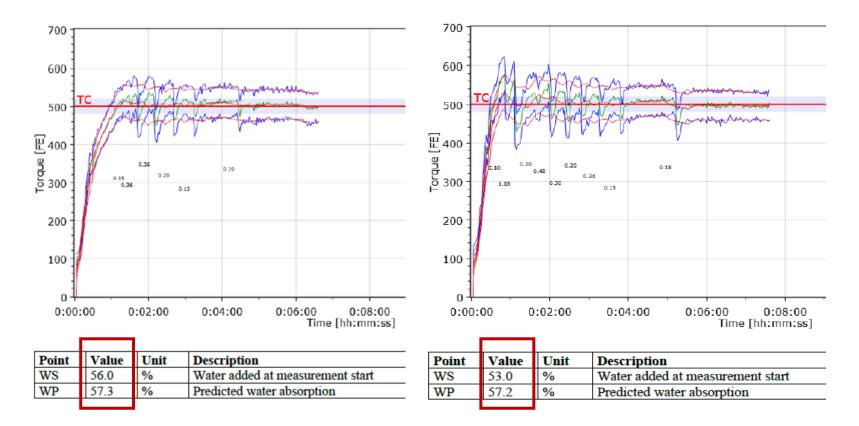
WP

57.3

%

Application Automatic Titration Curve - Example

One wheat flour – various starting dosages

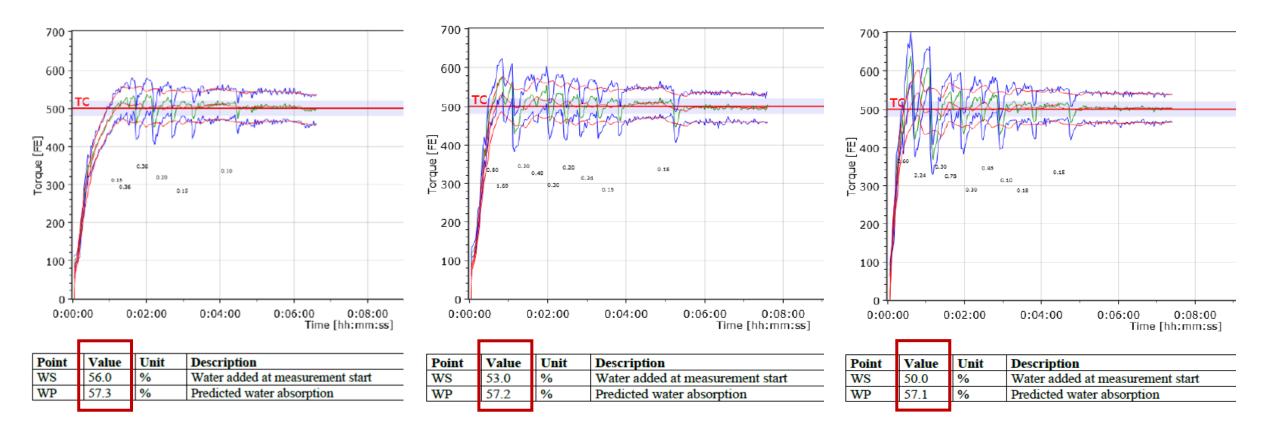


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... where guality is measured.

Application Automatic Titration Curve – Example

One wheat flour – various starting dosages

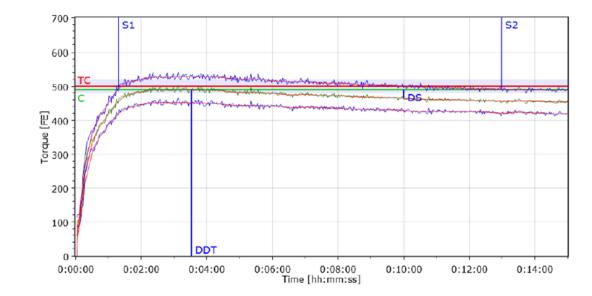


Application Automatic Titration Curve - Summary

High accuracy

WS	WP
50,0	57,1
53,0	57,2
55,0	57,3
56,0	57,3
57,4	57,2

WS – Water Start WP – Water Prognosis



Point	Value	Unit	Description
Т	00:15:00	hh:mm:s	sMeasuring time
DT	28.5	°C	Dosing temperature
DDT	00:03:32	hh:mm:s	sDevelopment time
C	490	FE	Consistency
WZ	57.4	%	Water added
WAC	57.2	%	Water absorption corr. for default consistency

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Questions?

Visit the Brabender Tabletop

Thank you!

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