



Checkmaster 4.1

Complex tablet monitoring

Weightmaster 4.1

Weight monitoring

Validatable performance,
complete and in-process-control

FETTECOMPACTING *Innovator by Experience*

Packaging - Processing

Bid on Equipment

1-847-683-7720

www.bid-on-equipment.com

Profile: → Checkmaster 4.1

The decisive features:

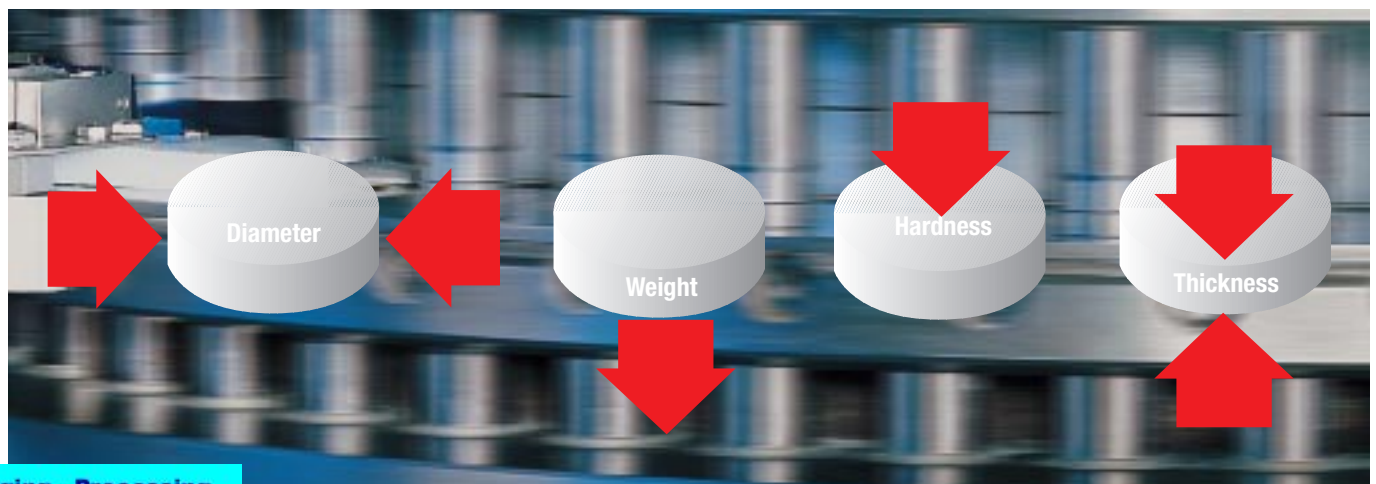
- Fully automatic measurement of four parameters: weight, hardness, thickness, diameter
- Performed completely in-process
- A single peripheral performs all four measurements
- Protected, integrated weighing module
- Integrated sampler, GMP-compliant
- Fully compatible with the fourth generation

- Automatic dedusting of tablets in the patented singling chute
- Inspection results can be documented
- New and practical: in-process "hardness-only testing" of a single tablet, using the CM 4.1- control panel

Your benefit:

- Fully automatic evaluation of the measurements and corresponding automatic control of the tableting press
- Validation and calibration without interruption of production
- Very high efficiency
- Extremely accurate and reliable weight monitoring
- Continuous sampling for laboratory
- Basic equipment can be used on the entire fourth generation
- Easy to clean, rapid availability after a product changeover
- Complete records without interruptions
- Continuous fully monitored production

Regular inspections in programmable cycles during production.



Considerable importance is attached to the quality inspection of tablets. In-process inspection during production, involving regular sampling and automatic tablet testing, assures strict adherence to the specifications. In both laboratory and galenic development environments, the results are verified with extreme precision, and thereby yield reliable data for batch production.

Complete automation of the entire process and straightforward integration into complex production lines are decisive benefits.

The Checkmaster 4.1 has been thoroughly updated in the course of ongoing product improvement, meets all current and anticipated requirements, yet offers full compatibility in the fourth generation.

The Checkmaster 4.1 is the reliable, universal inspection instrument for tablet production throughout the pharmaceutical industry.

The Weightmaster 4.1 is the high-precision cost optimised peripheral device for in-process controlling which concentrates on the tablet weight.



Validatable, integral quality control within the production process

Integral reliability →



Total integration, high autonomy

- Can be integrated fully as a stand-alone unit, even into production lines
- Automatic execution of the entire controlling process
- Independent processing of the sampled product

No format dependency

- All common formats can be tested
- Free selection of specifications for weight, hardness, thickness and diameter
- Special transport disk for non-standard formats
- Special transport disk for defined orientation of non-standard formats



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Weighing module

- Integrated weighing module, protected within the casing
- High-precision weight measurement
- Weight measurement accurate to 0.0001 g
- Wide measuring range



Hardness test

- Test by pressing to rupture
- Hardness measurement, accurate to 1 N
- Wide measuring range

Thickness measurement

- Measurement by probe on the tablet located on the transport disk
- Measurement accurate to 0.01 mm
- Wide measuring range

Diameter measurement

- Measurement by slide
- Measurement accurate to 0.01 mm
- Wide measuring range

Further improvements

- Patented singling chute ensures automatic dedusting and feed to the transport disk
- Perforated surface with dust collecting drawer for fast cleaning
- Improved access for easier cleaning
- Electronic control of the sample sorting gate
- Optimised sample sorting gate
- Reproducible tablet feed to the sample containers
- Many components fully compatible with the entire fourth generation
- Sampler fully modernized
- Sampler made of light and unbreakable GMP-like plastics



Operation

Optimised inputs to practical application

- Straightforward call-up of control and test functions
- Validation and calibration without interruption of production
- User-friendly keypad
- Clear LED displays
- Optimized user operation
- State-of-the-art hardware and software components



Design

Modular design

- All drive functions are realised by servo motors
- State-of-the-art processor
- Improved processor reliability
- Lower maintenance required
- Shorter test cycles can be selected
- Future-proof hardware and software components

Profile: → Weightmaster 4.1

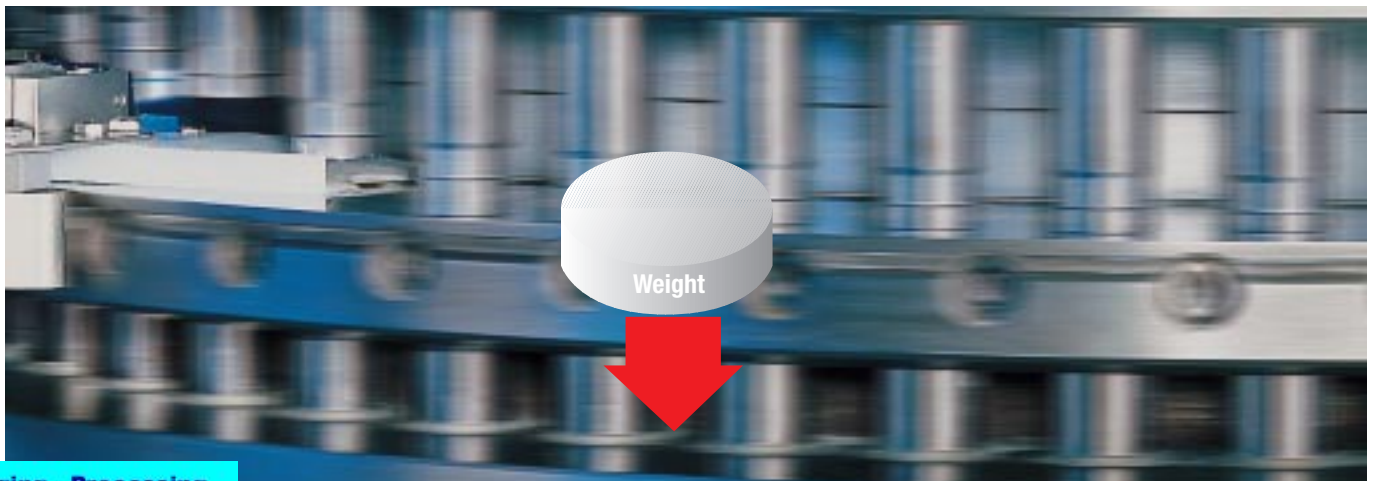
The decisive features:

- Fast, independent weighing system
- Optimized weighing cell
- Designed for in-process use
- Three operating modes
- Printer interface

Your benefit:

- Practical alternative to the Checkmaster
- Simple adjustment and calibration
- Sorting gates pneumatic controlling and data interface compatible with Checkmaster
- Can be used directly on FETTE presses

The Weightmaster 4.1 has been designed as a cost optimised peripheral for in-process controlling where only the tablet weight needs to be monitored. Many years of in-plant experience with the Checkmaster 4 in all areas of the pharmaceutical industry are embodied in this instrument.

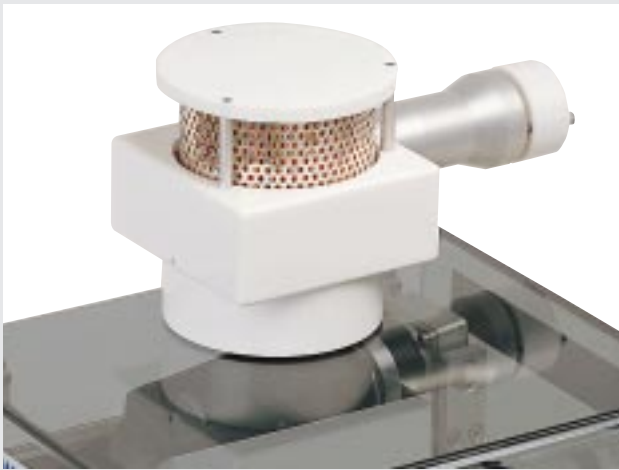


Economic single-function



Comprehensive facility for integration

- Can also be integrated into production lines as a stand-alone unit
- Weighing process performed automatically
- Independent processing of the sample
- Can also be used as a stand-alone instrument
- Test results can be logged individually



Various options

- Venturi system can be directly adapted
- Optional with sample collector
- Independent processing of the sample



Can be used as a mobile unit

- Handle for ease of transport
- Can be made ready quickly

Technical data: Checkmaster 4.1

Measurement functions		
Weight		
Measuring range	g	0,01 - 50
Resolution	g	0,0001
Precision	g	± 0,0003
Hardness		
Measuring range	N	10 - 400
Resolution	N	1
Precision	N	± 1
Thickness		
Measuring range	mm	1 - 20
Resolution	mm	0,01
Precision	mm	± 0,1
Precision	mm	
Measuring range	mm	1 - 30
Resolution	mm	0,01
Precision	mm	± 0,1
Dimensions	mm	595 x 615 x 607
Power supply		110 - 230 V · 50/60 Hz

Technical data: Weightmaster 4.1

Measuring functions		
Weight		
Measuring range	g	0,01 - 50
Resolution	g	0,0001
Precision	g	± 0,0003

Functions		
<p>Self-test at power-on Adjustment of the weighing cell Calibration of the weighing cell Processor-controlled sample sorting gate and pneumatic conveyor (option) Tablet singling Manual test start Reproducible tablet feed to the sample containers</p>		
Options		
<p>Sample collector Venturi system for sample transport over up to 6 m</p>		
Power supply		100 - 240 V · 50/60 Hz
Weight	kg	27 (standardunit)
Dimensions	mm	B 510 x H 420 x T 500 + 150 (Venturi-Zyklon/Filter)