

# MWI

## MULTI-DOSAGE WEIGHT INSPECTION MACHINE

### INSPECTION



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May2018-01MW

**Qualicaps** *Engineered  
to perform*

**THE KAITEKI COMPANY**  
Mitsubishi Chemical Holdings Group



## **Engineering Excellence Man, Machine and Harmony**

**At Qualicaps<sup>®</sup>, we do our part to contribute to health and wellness on a worldwide scale through the manufacture and supply of two-piece capsules and pharmaceutical processing equipment. To support the needs of solid oral dosage form production, we offer a proprietary product line of capsule filling and sealing machines, weight and visual inspection machinery, as well as imprinting machines. Our equipment is suitable for manufacturing on integrated production lines and the company provides comprehensive solutions. All machines are specially designed to meet your unique production or research needs. Our research and development team is always innovating, developing faster, more reliable machinery to meet emerging needs in the pharmaceutical and nutritional markets. Qualicaps<sup>®</sup> equipment incorporates the best technology to help you successfully and easily manufacture your product.**



**THE MWI ENABLES THE DOSAGE  
WEIGHT INSPECTION  
OF TABLETS, SOFT CAPULES,  
AND HARD CAPULES.**

# Inspects the weight of two-piece capsules, softgel capsules and tablets of various shapes and sizes in the same machine. Fewer change parts are needed, which reduces changeover time and costs

The pharmaceutical and health and nutrition industries demand accurate product weight with an easy manufacturing process.

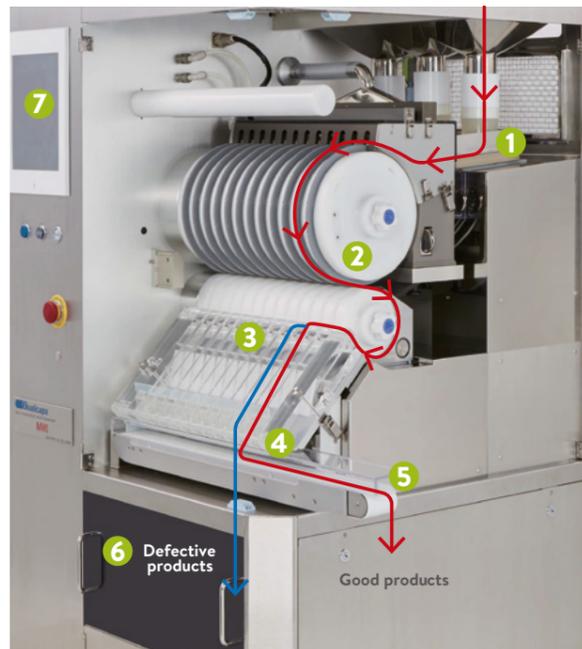
The Multi Dosage Weight Inspection machine (MWI) is versatile and easy to operate. It provides a method to weight multiple solid dosage forms with one machine and minimal change parts. The MWI has the ability to use common change parts by adopting a suction and transfer method.

MWI weighs tablets and capsules whose length are up to 22 mm, and guarantees  $\pm 2$ mg weighing accuracy\*<sup>1</sup> and provides high processing speed, up to 100,000 units/hour\*<sup>2</sup>

## Multi-Dosage Weight Inspection Machine MWI

### Parts List

- 1 Service hopper
- 2 Suction drum/transfer roller
- 3 Weighing tray
- 4 Sorting chute
- 5 Good Product Conveyor belt
- 6 Defects box
- 7 Touch panel



\*1  $\pm 3$ mg accuracy for measuring dosages of 501mg-2,000mg

\*2 Processing speed varies per product shape and size

### Balance

The balance is a maintenance-free and highly shock-resistant electromagnetic balance. The MWI guarantees  $\pm 2$ mg measuring accuracy\*.

\*  $\pm 2$ mg for 500mg or less.  $\pm 3$ mg for 501mg~2,000mg



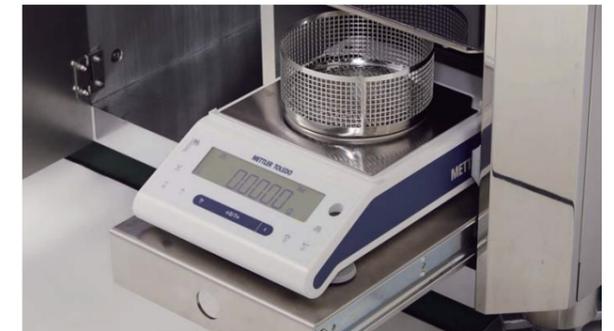
### Good Product Conveyor Belt

The good product conveyor belt reverses direction when the defect discharge confirmation system realizes that the product is not within the proper weight range which discharges the product and prevents it from being mixed with good products.



### Measuring Accuracy Confirmation

In order to verify the internal electronic balance is functioning properly, the data of the weighed product is compared to the data measured by the internal electronic balance at a set interval.



### Basic Exchange Parts



Service hopper guide



Suction rubber ring

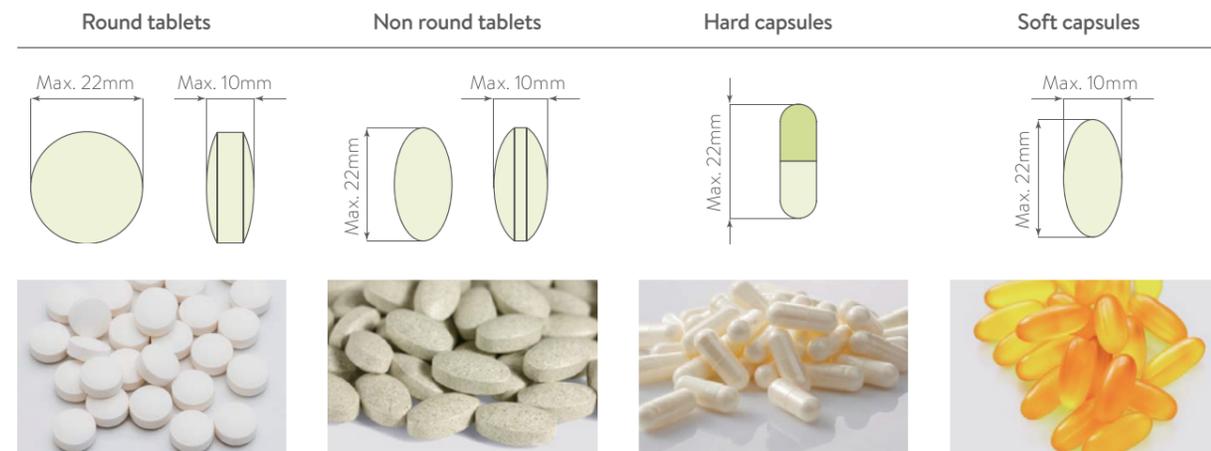
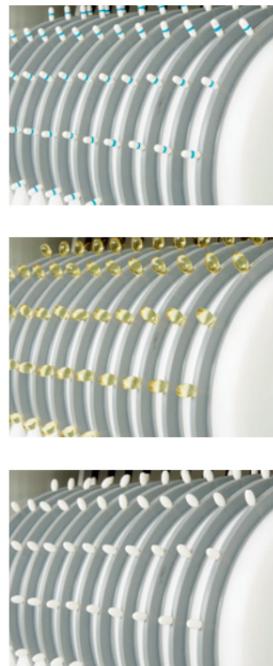


Transfer roller

# Adapted to weigh various shapes whose length is up to 22mm \*

## Suction Drum

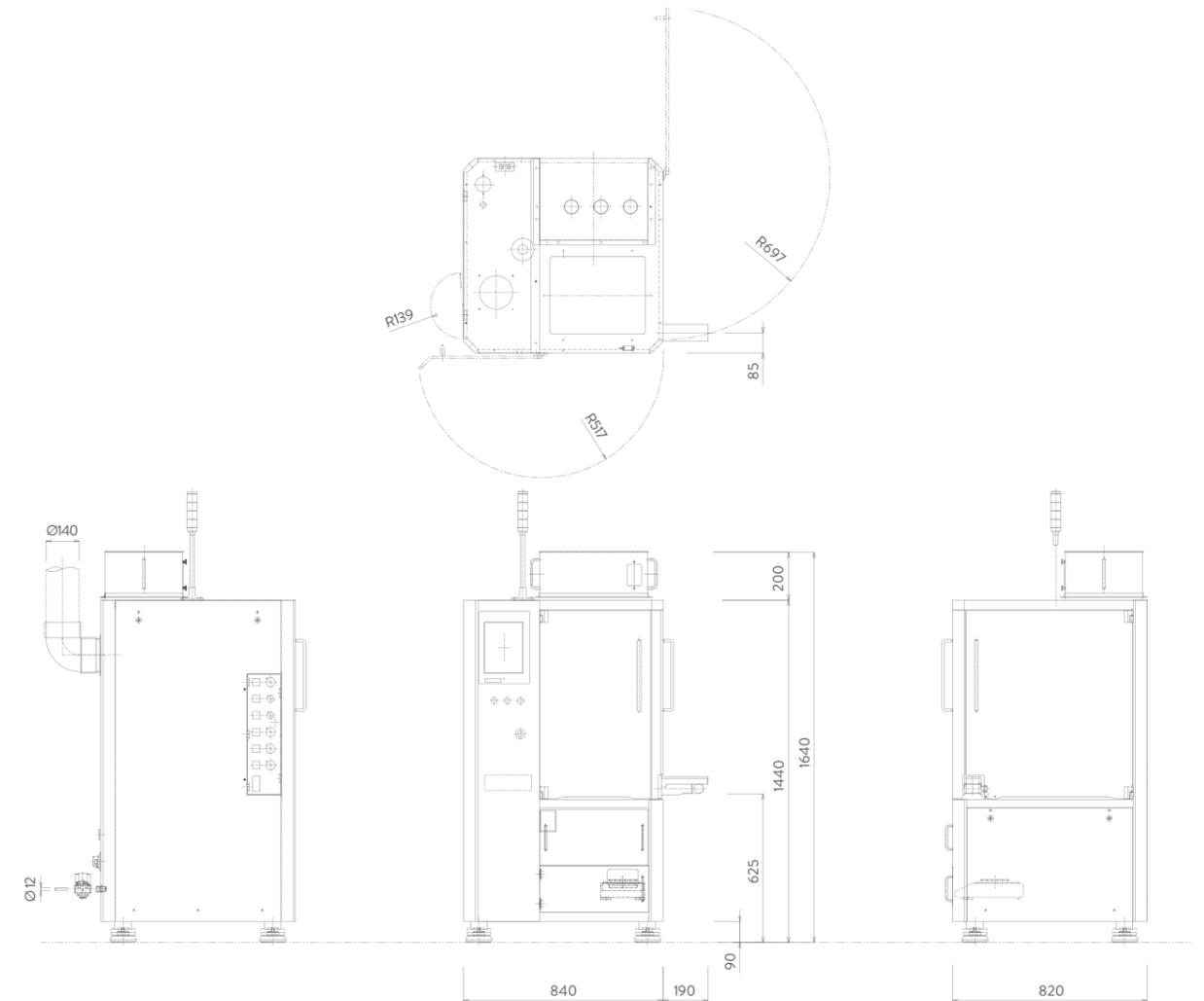
The suction drum uses vacuum to hold and transfer one pharmaceutical product at a time. The use of this method has reduced the need for multiple change parts.



Compatible with 0 size capsules

\*The size stated in the brochure is the standard size accepted. We have experience measuring large doses up to 25mm depending on shape. Please feel free to contact us with your dose size for confirmation.

# Specification



<b>Name</b>	Multi-Dosage Weight Inspection Machine	<b>Ext. dimensions</b>	W840XD820XH1,640(mm) (including hopper)
<b>Model</b>	MWI	<b>Weight</b>	Approx. 1,000kg
<b>Weighing Accuracy</b>	±2mg (0-500mg 3σ), ±3mg (501~2,000mg 3σ)	<b>Electricity</b>	Single-phase 180~253V 10A (2KVA) 50/60Hz
<b>Weighing Range</b>	20~2,000mg	<b>Vacuum (blower)</b>	-14kPa 10m³/min(Max)
<b>Processing speed</b>	Max. 100,000 pcs/hour	<b>Compressed air</b>	0.5MPa, 1m³/min and over
<b>Installation environment</b>	Temperature 18-28°C Humidity 30-55%	<b>Noise during operation</b>	up to 85dB(A)

\*The above information specification is subject to change without prior notice for the technical development.