

# **AW/VW SERIES**

**Weighing systems**



# In Process Weighing Systems

In the modern factory, data collection is essential to automate the labor intensive stock reconciliation needs of an efficiently run plant. This means, as an operator, you need to accurately record all material movements in the plant, from intake and right through the process.

The **AW/VW In-Process Weighers** represent your best route to the necessary precision to realize enhanced operating profits. The design ensures that weighing accuracy is not compromised whatever the product being monitored, extracted, controlled or totalized.

## Features and benefits

- Multiple weigh hopper capacities to cover the full range of milling throughputs
- Design suitable for most products
- Single position catch gate or two-position feed gate versions available
- For fast and accurate calibration
- Designed to minimize product build up on internal surfaces
- Advanced digital technology ensuring rapid weight stabilization
- State-of-the-art programmable controller
- Oil free pneumatics and sealed for life bearings
- Highly integrated microelectronic design to minimize hardware components
- Capable of free standing operation, but can be interfaced with any control system

## Production rate

Up to **50 tons per hour**

## Specifications

<b>Static accuracy:</b> .....	±0.1%
<b>Pneumatic requirements:</b> .....	Up to 3.2 scfm @ 90 psi (90 NL/min @ 6 bars)
<b>Electrical requirements:</b> .....	220 V/3 Ph/ 50/60 Hz
<b>Operating temperature:</b> .....	40°F to 105°F (5°C to 40°C)

## Additional features - Chronos Bulk 9000

### Stainless steel housing IP65

Suitable for harsh environment weighing locations. With mounting brackets for desktop or wall-mount installation. Integrated power supply unit, and sealed cable glands for all cable connections.

### Display and keyboard

Bright high-contrast 5.7" TFT color display. 320 x 240 pixel with wide viewing angle, function keys for zero setting and taring, application-specific function keys, and connection of optional full-size keyboard via USB (cable or bluetooth)

## Ethernet interface



Bulk 9000



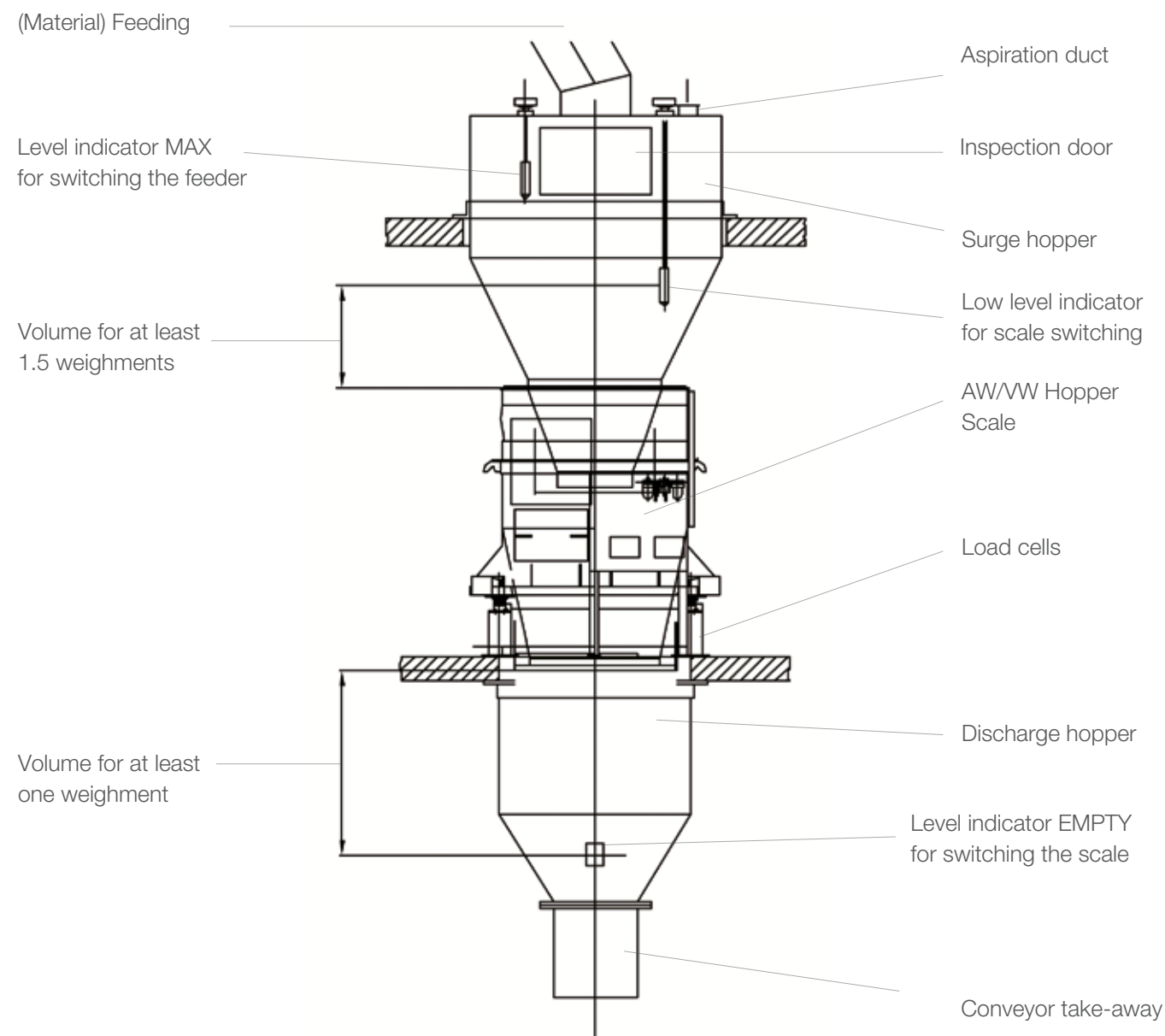
Bulk NXT

## Serial interfaces

- Up to 6 interfaces
- Selectable RS232
- 20mA CL
- RS422 or RS485 for printer
- Precision scales
- Remote displays
- Other peripheral devices and host communication.



## Technical Configuration AW/VW 1002-10002



### Technical data

Weigher	Type / hopper size	Weighing range kg	Output (tons per hour)*
<b>AW/VW:</b>	1002 / 1500	50-1,000	300
<b>AW/VW:</b>	2002 / 3000	100-2,000	500
<b>AW/VW:</b>	3002 / 4500	100-3,000	600
<b>AW/VW:</b>	5002 / 7500	250-5,000	800
<b>AW/VW:</b>	10002 / 15000	500-10,000	1,200

\* Based on bulk density of 750 kg/m<sup>3</sup>

## Hopper Scale for Bulk Material

The **CHRONO-WEIGH™ AW/VW** hopper scales are recognized for their accuracy, performance and reliability. These electronically controlled weighers for receiving and shipping free-flowing bulk materials are typically used in grain silos, the feed/food industries, mills, warehouses etc. The weigher output is dependent on

the size of the weigh hopper, which can be up to 10 tons capacity. The weighers are manufactured in welded steel and are dust-tight. Infeed and weighing hopper are equipped with pneumatically operated (twin) gates. The weighing hopper has an inspection door and frame on which to place calibration weights.

### Features and benefits

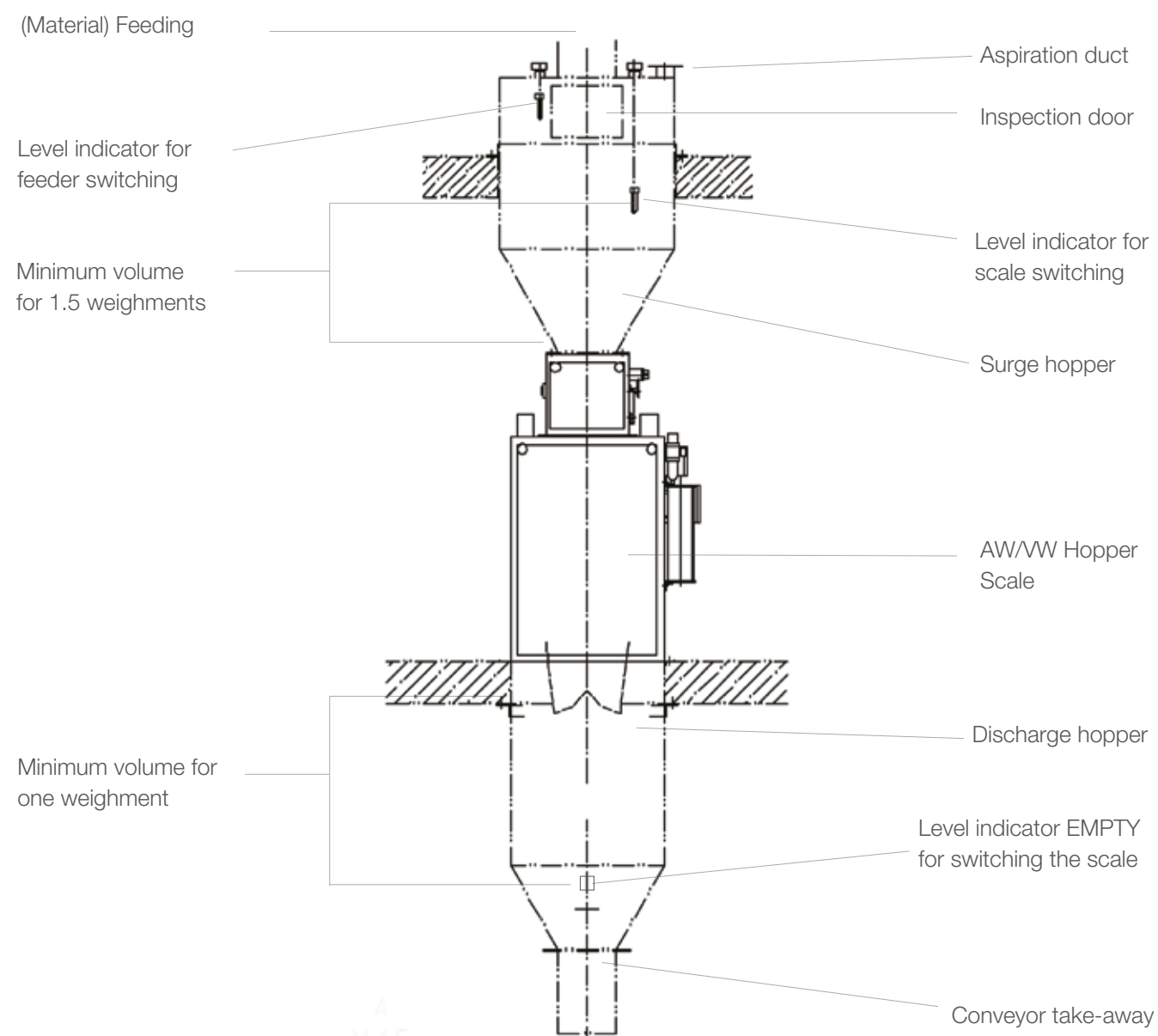
- Pure full loadcell systems reduces maintenance costs
- Fulfills today's weighing system requirements for accuracy, performance and reliability
- Removable doors permit easy access and simple clean-down
- Robust design for reliable constant operation
- Modern cost-effective design and performance
- Operation and control independent to site
- Stainless steel contact parts - prevent corrosion when weighing aggressive materials
- Abrasion resistant steel contact parts - reduces abrasion when weighing abrasive materials
- Two speed material feeding - to achieve precise shipping weights

### Accessories

- Level indicator: rod or probe cuts off material in-feed at the high level in the feed hopper. The level indicator in the discharge hopper only activates when the previous weighment has been conveyed away
- Pneumatic -anti-freeze: At environmental temperatures of -20°C up to +5 °C at the production site, it is recommended to install an anti-freeze system. It prevents valves, cylinders and pipes to freeze. A mixture of 1 cm<sup>3</sup> alcohol per m<sup>3</sup> air offers sufficient protection against ice creation.
- Calibration weights are positioned by pneumatic cylinders when required. This is 1/4 of the maximum weigher capacity for optimum calibration
- Infeed for 2 flows to achieve exact shipping weight



# Technical configuration AW/VW 101-701



## Technical data

Weigher	Type / hopper size	Weighing range kg	Output (tons per hour)*
AW/VW:	101 / 220	5-100	50
AW/VW:	201 / 400	5-200	80
AW/VW:	301 / 500	10-300	100
AW/VW:	501 / 750	25-500	130
AW/VW:	701 / 1000	25-500	160

\* Based on bulk density of 750 kg/m<sup>3</sup>



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