

# Ryng

## The universal device for production monitoring

An extremely simple system to measure productivity and efficiency of the feeding line.

### Benefits:

- Monitor of the material consumption in real time
- Control of the production batches
- Statistics of the production volumes
- Applicable with any loader device
- Remote control via WinFactory connection



In order to have an instant and precise measurement of the quantity of material transferred from the container to the hopper, allowing operators to take prompt action on the machine's operating

parameters and, above all, to be able to have information on the machine's effective productivity, Piovan has designed and manufactured a special production monitoring system, called "Ryng"

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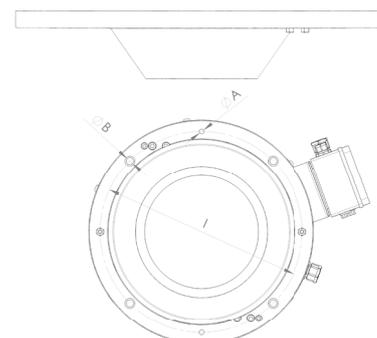
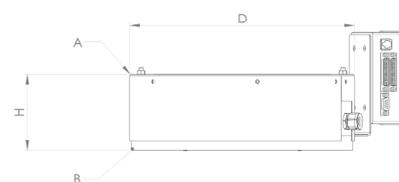
Ryng is structured as a component that is inserted between the loading container and the storage hopper with a high-precision weighing device placed inside it.

The system uses proprietary software, set according to specific algorithms which “filter” and “interpret” the data it gathers and consequently indicate the actual quantity of transferred material. Ryng actually measures the quantity of material that the container loads into the hopper, providing information directly from the field and therefore allow-

ing real-time comparisons to be made at any time between the machine’s expected production and its actual production.

In addition, the software is programmed to exclude or reduce to a minimum any measurement fluctuations that may be caused by the inevitable vibrations felt throughout the feeder system due to the machine’s normal operation.

So, the system achieves high precision measurements (with a maximum error rate of less than 1%).



TECHNICAL DATA		R3	R20	R75	R200
Material receivers		C2 - C3	C5 - C10 - C15 - C20	C30 - C50 - C75	C100 - C140 - C200
Dimensions (mm)	H	100	105	105	105
	D	222	312	312	482
	I	185	280	280	450
	øA	4 x M6	4 x M8	4 x M8	8 x M10
	øB	4 x ø8	4 x ø10	4 x ø10	8 x ø12