



# WS911

SCREW WEIGHERS



**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS

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# WS911

## SCREW WEIGHERS

By providing a screw conveyor with a weigh system, one can easily measure the bulk product flow.

Therefore the screw conveyor is mounted at the inlet in a set of special pivots and connected to a loadcell near the outlet and provided with a speed encoder.

Two flexible connections take care of a dust tight inlet and outlet.

This screw weigher is available for ATEX categories II2D and II3D (zone 21 and 22).



## ASSEMBLY

### Weighframe, model WS911

<b>Construction:</b>	Fixed frame with frictionless pivots and a loadcell carrier, mounted on or at an existing or to be realized construction. The screw conveyor will be mounted in the loadcell carrier and the pivots.
<b>Mounting:</b>	A construction has to be foreseen, in which the weighframe is mounted with only 6 bolts.
<b>Material:</b>	Steel St.37 / SS304
<b>Finishing:</b>	Powder coating, colour RAL 3020 / Shot blasting SA 2.5

### Loadcell, model S-beam

<b>Type loadcell:</b>	Tension force transducer
<b>Construction:</b>	Hermetically sealed, IP67
<b>Material:</b>	SS

### Junction box, model JBW

The Junction box is placed near the weighframe	
<b>Dimensions:</b>	180 x 110 x 90 mm (l x w x h)
<b>Material:</b>	Shockproof reinforced polycarbonate
<b>Protection:</b>	IP66
<b>Loadcells:</b>	2 pieces (4- of 6-wires)
<b>Speed pickup:</b>	yes (2- or 3-wires)

### Speed Pick-Up, model SPU 5020 / 5826

This digital speed pickup is mounted directly on the axle end of the none driven drum.

**Housing:** Aluminium / SS304, IP66

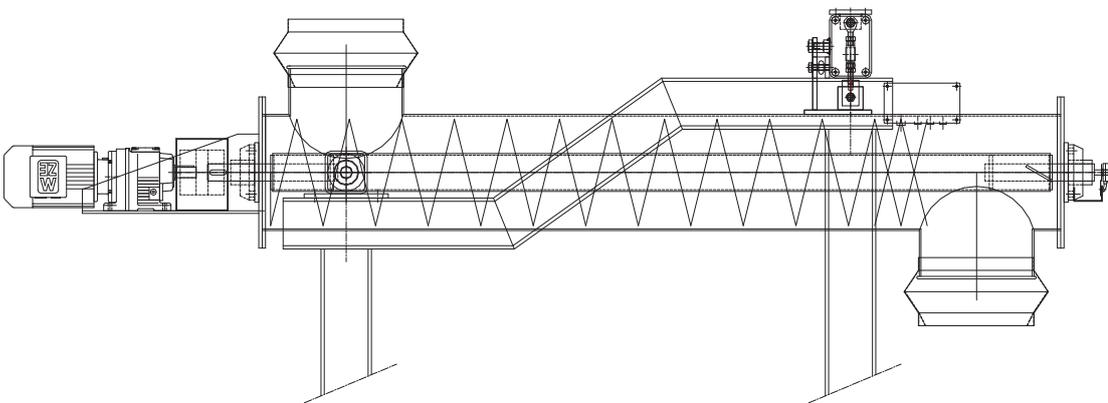
### Screw conveyor for screw weighing, model WSCxxx-P1M-yyyy

<b>Material:</b>	Steel St.37 / SS304
<b>Finish:</b>	Painting RAL 5017 / Shot blasting
<b>Drive:</b>	SEW type R / IP54 / 230-400 VAC / 50 Hz
<b>Bearing:</b>	Y-Bearing in flange type
<b>Sealing:</b>	Gland Packing or Labyrinth or Air purge sealing
<b>Including:</b>	Fixation points for mounting in the weighframe WS911

### Electronics

See applicable datasheet.

## SCREW CONVEYOR WITH SCREW WEIGHING



SALES AND TECHNICAL ASSISTANCE

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