



# 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   |

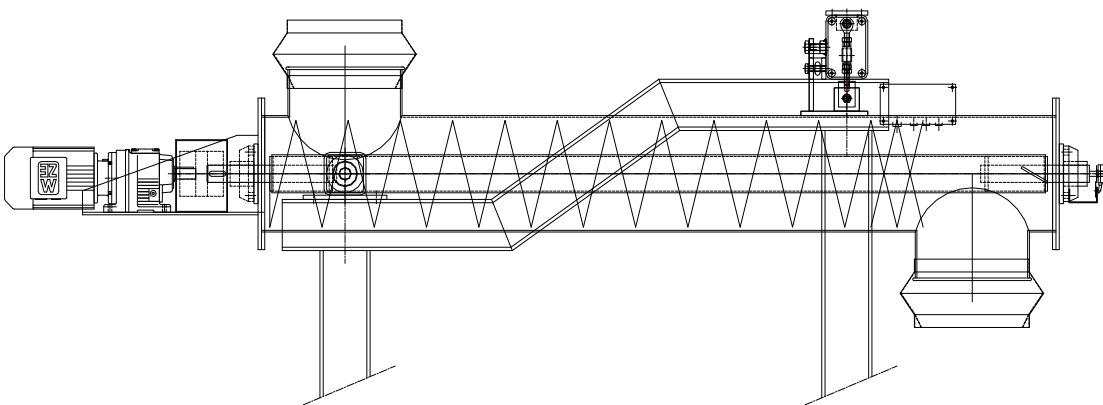
### Loadcell, model S-beam

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

### Junction box, model JBW

|   |                                     |
|---|-------------------------------------|
| The Junctionbox 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)                 |

## SCREW CONVEYOR WITH SCREW WEIGHING



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