



RNA Twister | The Tornado amongst screw bowl feeders

- For screws, nails, rivets
- High performance up to 550 parts/minute
- Height-adjustable sorting ring
- Available as standard equipment

On the basis of the time-proven bowl drive SRC-N250, RNA has developed a screw bowl where the user no longer has to manufacture their own sorting. RNA Twister, the new standardized feeding system is suitable for nails, screws and rivets in various sizes and has a feeding rate of up to 550 parts per minute.

The screw bowl is designed in such a way that the component parts can leave the system in a "hanging" position and can thus be delivered to the subsequent process.

Overview

The special feature of the new RNA Twister is the height-adjustable sorting ring, which allows to change the distance to the bowl depending on the size of the screw. In the development of the feeding system, the focus has been on connecting all parts of the installation directly with one another. Thus, the SRC-N250 drive unit and the sorting station are mounted directly onto a USJ250 mounting plate. The entire unit is then installed on the mounting table using the rubber-bonded metal buffers fitted on the outside.

The bowl feeder is made of stainless steel, which is manufactured according to the classical welding technique, and receives its finish by CNC machines. Laterally arranged adjustment units on the bowl feeder enable the user to adjust the bowl perfectly centred towards the higher-level sorting track. The height of the sorting ring can be adjusted individually with 3 screws to the shank diameter of the workpiece. The outlet is made completely by CNC technology.

Technical Data

The standard system illustrated here feeds 50mm-long nails at a rate of 550 parts per minute and can process the following dimensions:

- Max. length ca. 80mm
- Max. shank \varnothing 6mm
- Max. head \varnothing 12mm

The difference between head and shank diameter should be min. 1mm. The adjustability is approx. +/- 1mm. A larger range of workpieces must be realized by interchangeable parts. Further sizes can be requested accordingly. Please contact our sales department.

