

# ROTARY POSITIONING UNIT

## 11002.00.0.00

### Key facts:

- \*Max. rotation speed: 200 rpm
- Tilting range:  $\pm 40^\circ$  (forward/backward)
- \*Max. tilting speed:  $80^\circ/\text{s}$
- \*Max. component weight: 1500 kg
- Dimensions (L  $\times$  W  $\times$  H): 1120  $\times$  800  $\times$  750 mm
- Unit weight: approx. 750 kg

\* Depending on component size, center of gravity, and moment of inertia

The Rotary Positioning Unit is a system designed for integration into automated systems, enabling precise tilting and rotation of components during the Cold Spray process. It enables controlled, continuous movement of the workpiece relative to the spray system, improving coating uniformity, process stability, and overall system performance. The Rotary Positioning Unit consists of a robust base frame, motors, gearboxes, and mounting interfaces for applicationspecific components.

It allows precise alignment of the workpiece relative to the Impact Spray System while maintaining a constant rotational movement. This controlled positioning enhances coating consistency, improves process efficiency, and ensures optimal coating quality across complex geometries.

Control system and Variable Frequency Converter can be included as an option.

