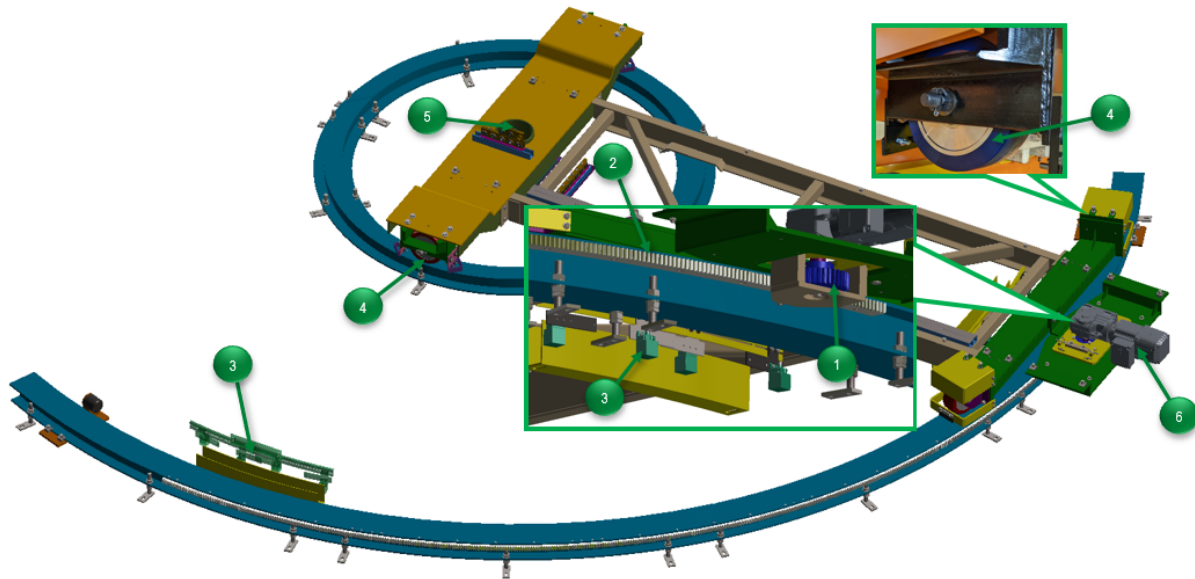


Pivot Table Wet Application Components



- 1** Pinion gear
- 3** Proximity Switch
- 5** Center Bearing
- 2** Rack
- 4** Idle Wheel
- 6** Gearmotor

Pivot Table Wet Application Overview

The purpose of the Wet Application Pivot Table is to change the direction of the skid moving within the conveying system, specifically within a wet environment. Typically, it will be installed between two conveying lines, which are installed at right angles to each other.

At the pivot table, the turning point is located between the two wheels of a cross beam. The wheels around the turning point run on an internal circular path, the outer wheels on an outer segment having a turning path of approximately 90°. With this model a change of direction of up to 90° can be realized.

The major difference between the wet application and normal application is the use of the rack and pinion system driven by the mounted gearmotor. As the gearmotor operates, the pinion gear engages the teeth from the rack and moves the unit in a clockwise or counterclockwise direction. Proximity switches mounted at the end of each stroke signal a successful final destination being achieved or if overtravel occurred.

On two cross beams, wheel units are fastened which are mounted to a wet application power roller bed. At the center of the turntable, central between the two cross beams, a cross beam with a slide bearing is mounted; this allows the conveyor to rotate symmetrically above the turning point. All four wheels run on the same circular path. With this model a change of direction of up to 180° is possible. Only standard wheel blocks are used for the wheels. The wheels have a band of Vulcanized rubber.