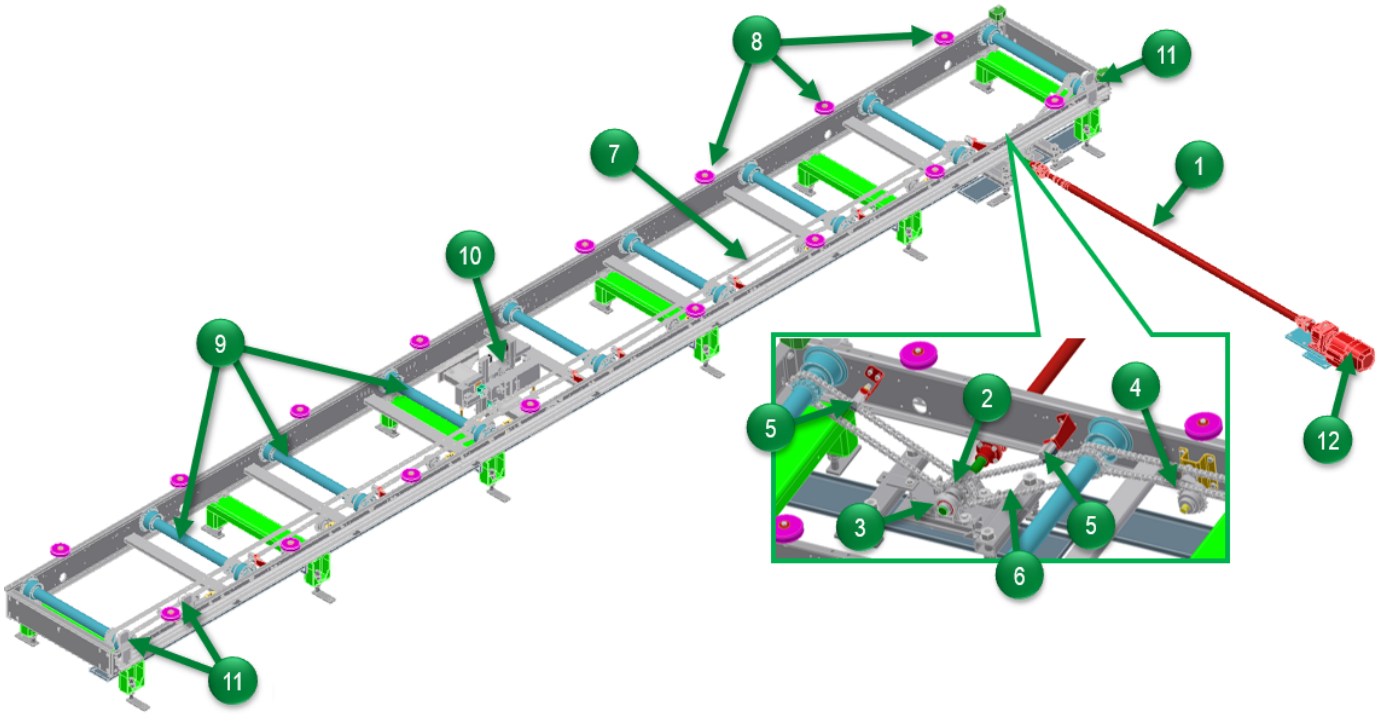
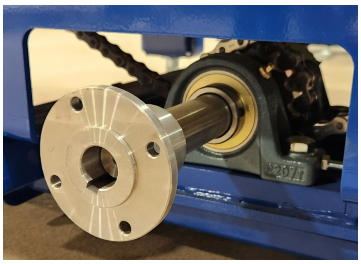
Power Roll Bed Paint Application Components



1	Cardan Shaft	2	Drive Sprocket	3	Pillow Block Bearings
4	Chain Tensioner	5	Oil Brush	6	Drive Chain
7	Driven Chain	8	Side Guide Rollers	9	Paint Rollers
10	Positioner	11	Proximity Switches	12	Gearmotor

Power Roll Bed Paint Application Overview

Power Roll Beds are a major element of FATA Automation's Skid Conveyor Systems. The products are modular in design using common components such as motors, chains, and rollers.



Drive shaft and flange

FATA offers a version specifically designed for paint area conditions in an automotive facility. They are commonly referred to as Power Roll Bed Paint Application (Power Roll Bed PNT or PRB PNT) and all metal components are fabricated with steel.

This specialty PRB is designed for operation within process driven areas regarding paint such as a paint booth. Because of its zone application, steel chains with special paint rollers are used as the carrying components within this conveyor.

The gearmotor has been mounted external to the PRB so as not to be present within the paint application environment during use. The motor has also been fixed to a pedestal with an attached cardan shaft to maintain a level elevation with the drive sprocket.

This special Power Roll Bed has several unique features. A series of oil brushes are mounted along the length of the chain to aid in maintaining lubrication as per preventive maintenance requirements. As the skid travels along its programmed path, mounted side guide rollers maintain angularity for proper positioning when its programmed destination is achieved. A set of pneumatically operated positioning arms engages with the skid for final positioning prior to the next application sequence.