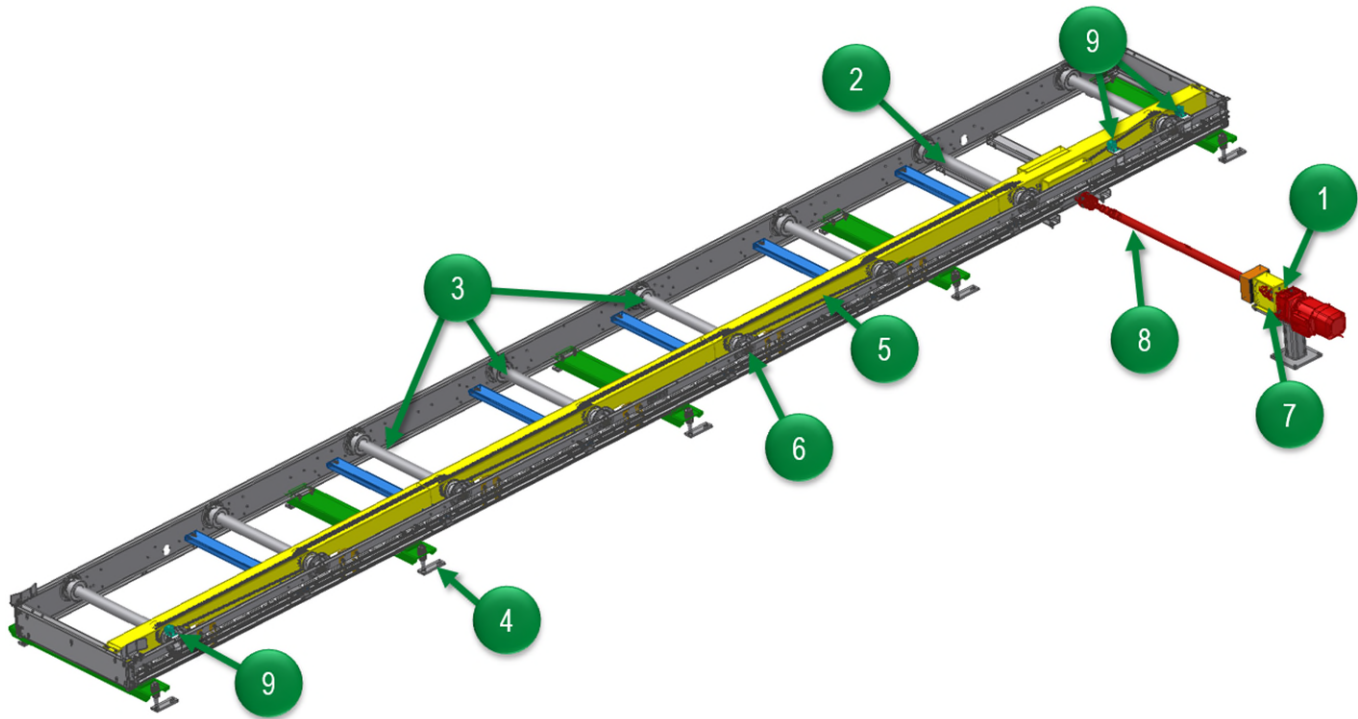


# Power Roll Bed Hot Application Components



▲ Power Roll Bed Hot - 3D rendition of 8 Roll shown with covers removed to show detail.

- |  |   |  |
|--|---|--|
|  Gearmotor      |  Adjustable Feet |  Motor Brake Lever  |
|  Drive Roller   |  Chain           |  Cardan Shaft       |
|  Driven Rollers |  Chain Tensioner |  Proximity Switches |

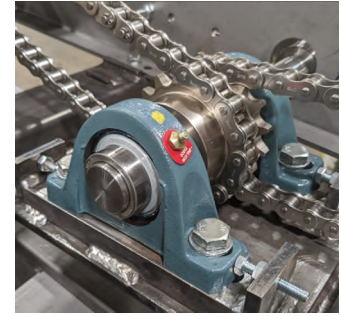
## Power Roll Bed Hot Application Overview

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.

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

This specialty PRB is designed for operation within areas of elevated temperatures such as an oven. Because of its zone application, steel chains with steel 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 oven 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. Special high temperature bearings are used at the mounting point for the drive sprocket as well.



▲ *High temperature pillow block bearings.*



▲ *High temperature prox cube and cable.*

Part of this unique PRB makeup includes special prox cubes that have the capability to function under the extreme conditions within the ovens. These components utilize high temperature cabling to feed signals to external devices.