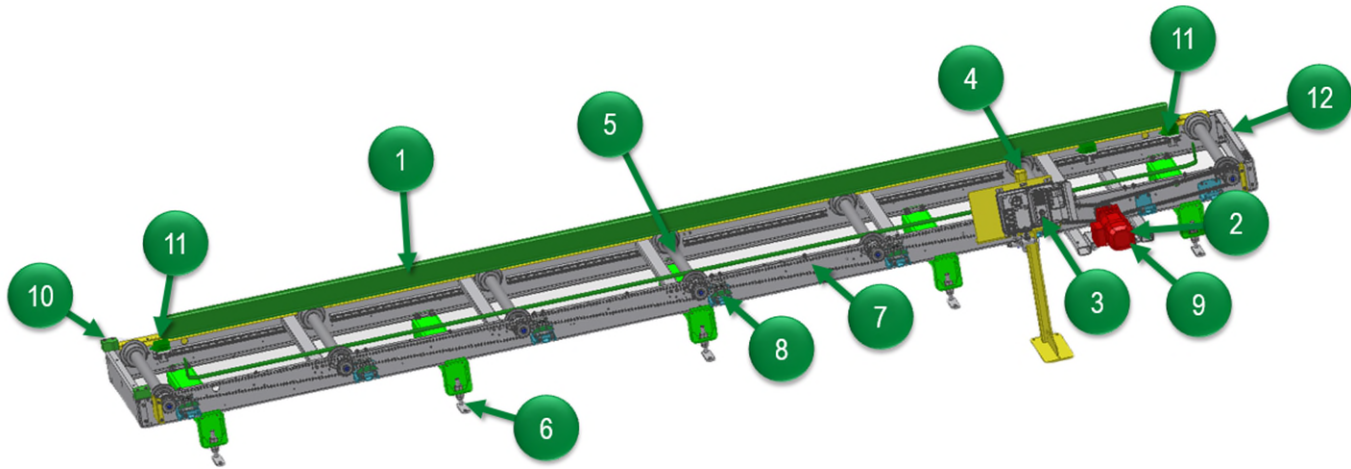


# Power Roll Bed Wet Application Typical Components



▲ Power Roll Bed Wet - 3D rendition of 7 Roll shown with covers removed to show detail.

- |                                     |                   |                       |
|-------------------------------------|-------------------|-----------------------|
| 1 Side Frames                       | 5 Driven Roller   | 9 Motor Brake Lever   |
| 2 Gearmotor*                        | 6 Adjustable Feet | 10 Lead-In Blocks     |
| 3 Integrated Drive Controller (IDC) | 7 Chain           | 11 Proximity Switches |
| 4 Drive Rollers                     | 8 Chain Tensioner | 12 Dashboard          |

\* - Gearmotor may be installed internally or externally of PRB frame depending on application and customer specifications.

## Power Roll Bed Wet 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 wet area conditions in an automotive facility. They are commonly referred to as Power Roll Bed Wet Application (Power Roll Bed WA or PRB WA) and all parts are fabricated with stainless steel.

The side frame of a Power Roll Bed WA is made of bended Z-profile that mounts the drive rollers. These side frames have a height of 200mm and in the front and rear of the Power Roll Beds are connecting ends called dashboards. The length of Power Roll Beds ranges from 1 roller (bed length 310mm) to 9 rollers (bed length 8862mm).

Underneath the frame are mounted support feet that are adjustable for a height range of 25mm. The typical height from top of floor to the bottom of the skid is 500mm.

The standard track width is 800mm from center to center of 50mm wide skid runners. The supporting width is 60mm and the distance from roller to roller is 1064mm.

Power Roll Beds WA are chain driven, with a set tensioning assembly to maintain consistent tension as the chain travels from roller to roller.

A variety of options are available for collecting excess liquid with a Power Roll Bed WA. Stainless steel drip pans in the base of the module, collect and funnel liquid from the skid and body to a drain hole. Stainless steel wings can be installed with angled extensions off the side of the module that collect any liquid that falls outside the frame, funneling to the drip pans.

Most Power Roll Beds in your facility will be floor mounted. Other applications where they can also be mounted in your system include:

- Shuttles
- Pivot/Turn tables
- Eccentric Lifts



▲ Power Roll Bed Wet Application showing stainless steel rollers and optional stainless-steel wings.



▲ Close-up of stainless-steel roller and chain tensioner on Power Roll Bed WA.