



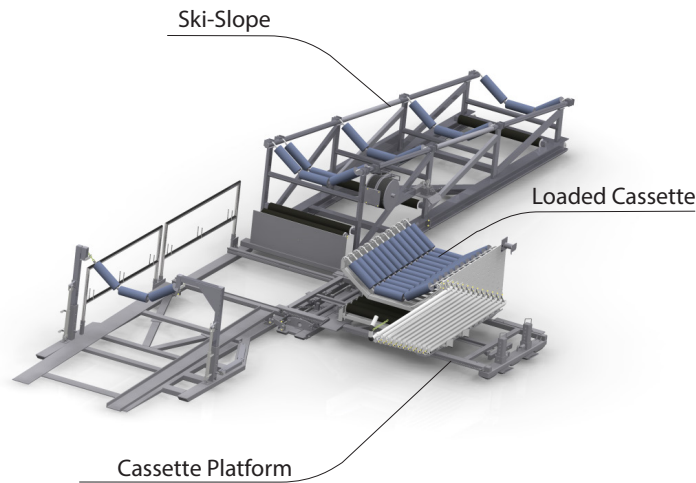
# Auto Deploy Conveyor Structure System

Prairie Machine & Parts | A World Leader in Supplying Underground Mining Equipment

# Performance & Productivity

## Auto Deploy Conveyor Structure System

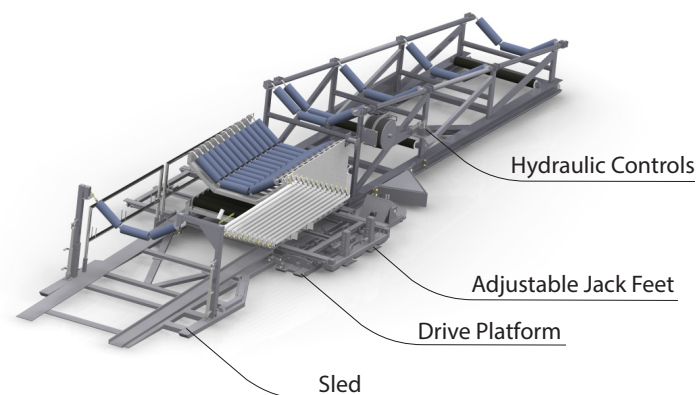
The PM&P Auto Deploy Conveyor Structure System is used to place conveyor stands under a conveyor belt during belt advancement.



Auto Deploy Conveyor Structure Loading Cassette

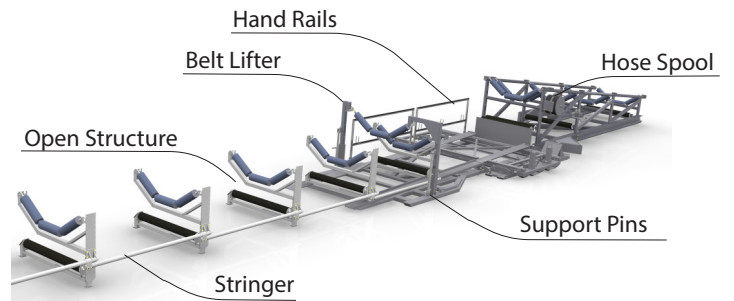
A forklift is used to load Cassette of stands onto the Cassette Platform. The first stand is tethered to the ground or to the existing structure, forcing the proceeding stands to pull (deploy) off of the Sled as it is towed.

The skid can be attached behind the mining machine and pulled along as the miner advances.



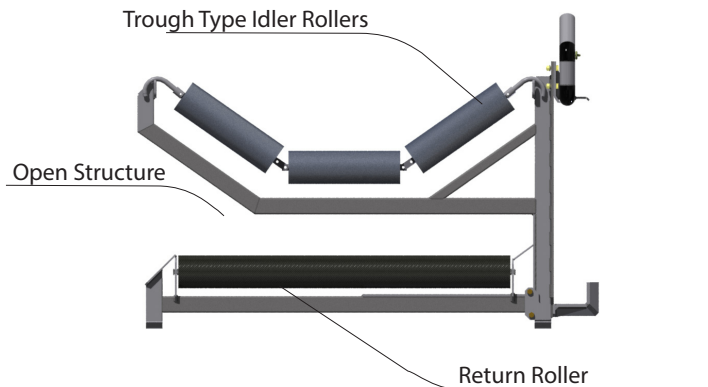
Auto Deploy Conveyor Structure Cassette Loaded

The post attachment on the last stand hooks to the new Cassette which keeps the conveyor stands engaged and the process continues as the belt line extends. The open conveyor structure on one end allows the cassette to be inserted into the belt line without having to split the belt.



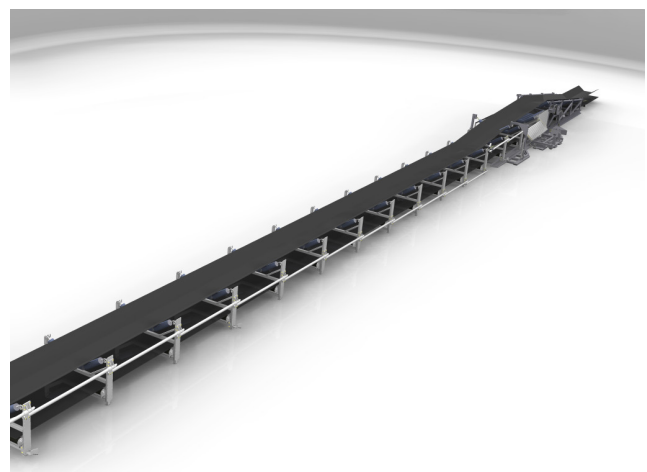
Auto Deploy Conveyor Structure Stands Deployed

After mining of the panel is completed, the conveyor stands can be retrieved using a forklift with the Carrier attachment. The forklift pushes the deployed stands back into the condensed Cassette. The reclaimed Cassettes are then taken to the next panel to be reused.



Auto Deploy Conveyor Structure Stand Assembly

Hydraulic (cylinder driven) or structural ("ski slope") Belt Lifters can be added in front and behind the Sled to raise the belt while the Cassette Platform is being slid to the center of the Sled.



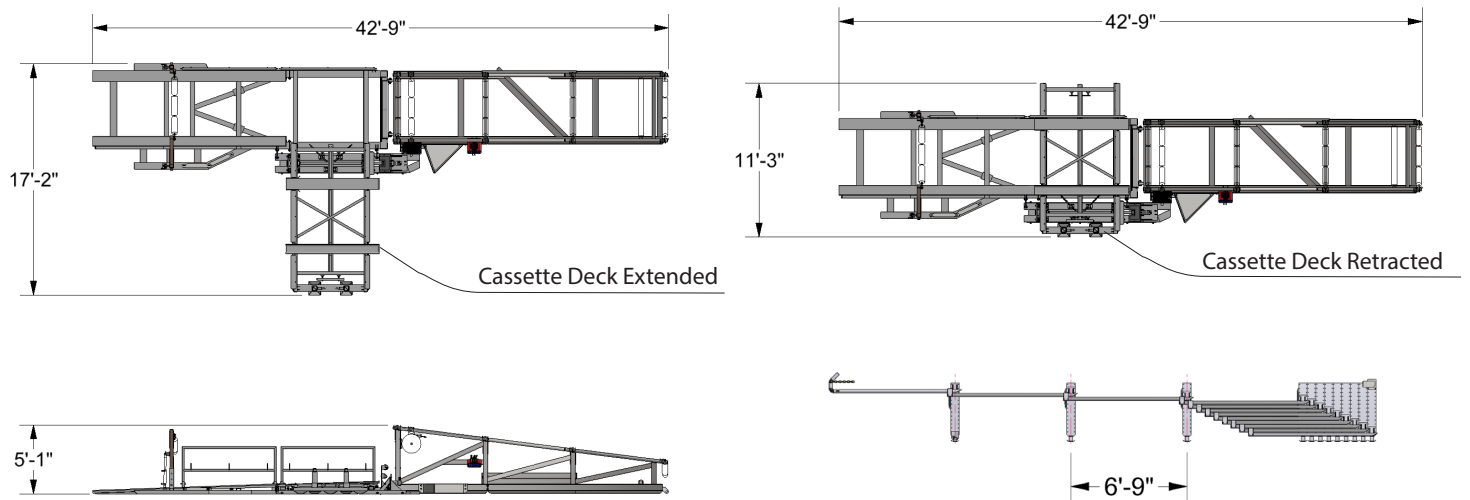
Auto Deploy Conveyor Structure Stands Deployed

# Specifications

## Technical Specs

Stands per Cassette	12
Spacing Between Deployed Stands	80in (2000mm)
Belt Width	48in (1150mm)
Hydraulic System	Externally Supplied (2000psi)
Total Deployed Length	12 x 81in = 81ft

## Overall



### Safety Features

- No manual handling of heavy conveyor structure, greatly reducing the potential for lost time injuries

### Operational Features

- Automatic payout of stands allows for faster belt advances
- Designed to fit 48" wide conveyor belt allowing for integration into high production areas
- Faster belt line switch-over compared to conventional systems
- Custom additions are available for integration into various belt lines

### Service / Maintenance Features

- Simple, but robust design means repairs are completed quickly, with minimal effort
- Compatible with mine duty rollers
- Common off the shelf components minimizes the amount of on-hand inventory required

Want more details? Contact your PM&P representative today at 1.888.933.4812

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