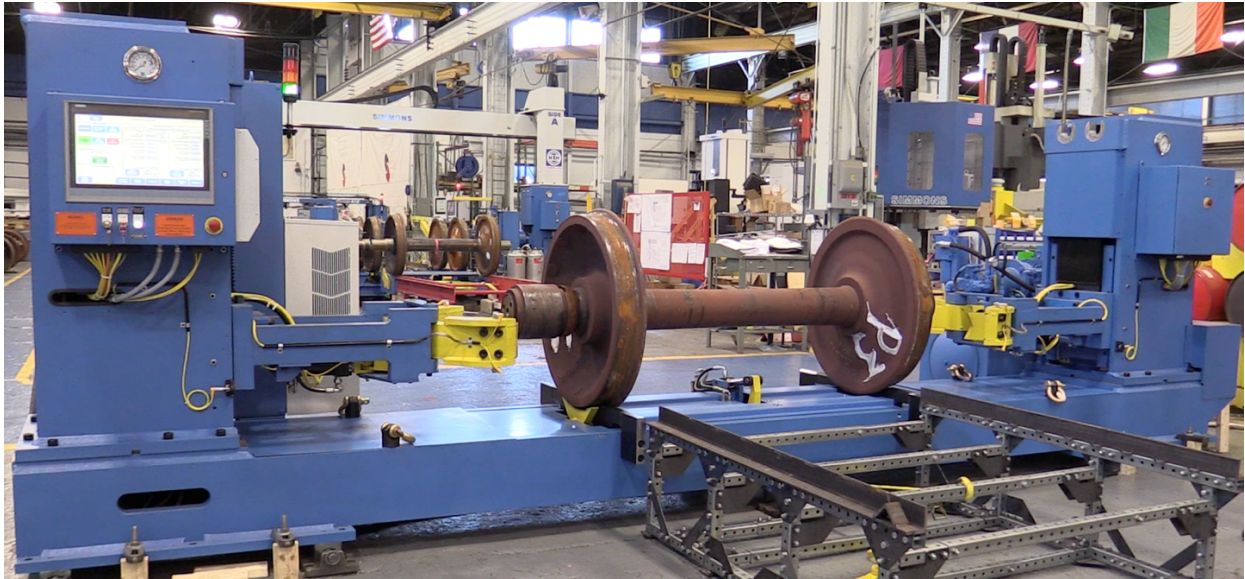
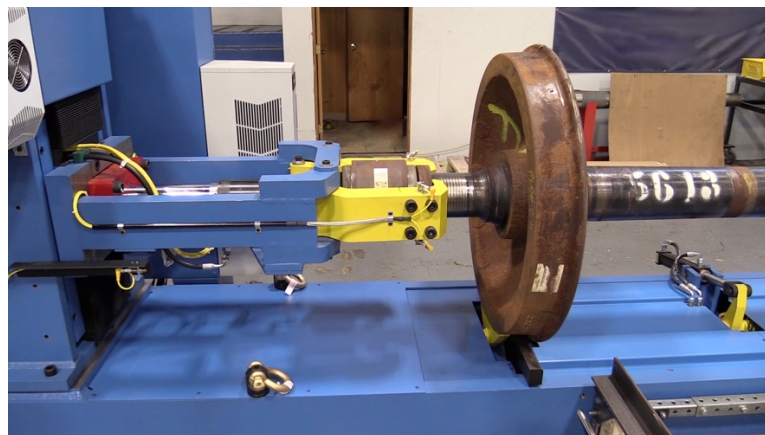


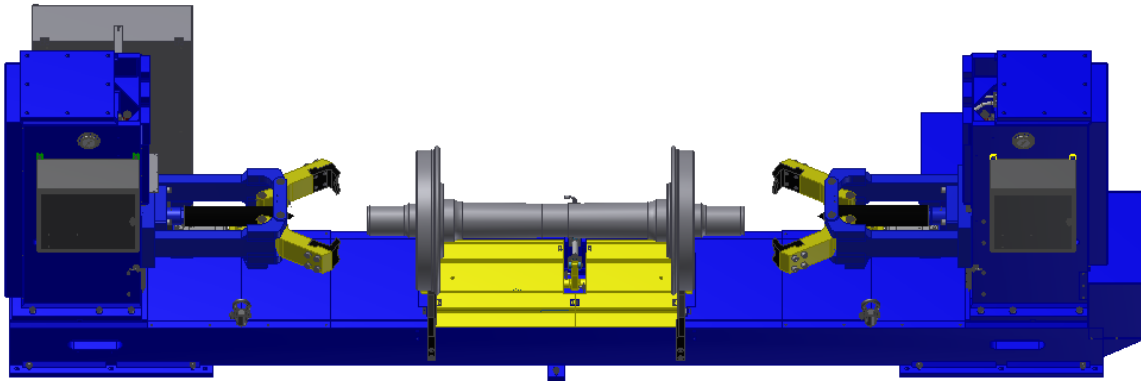
## Simmons BDP-070 Bearing Demount Press Data Sheet



The **Simmons BDP-070 Bearing Demount Press** automatically removes bearings from the axle journals of a wheel set. First the height of the jaws is adjusted to the incoming wheel set diameter. The wheel sets then roll into the press from shop rails onto the carriage. The carriage supports the wheel set and moves it precisely to the left and right cylinder beams with a motor-driven rack and pinion. With the wheel set in the correct position, the jaws swing in behind the bearing backing ring where a hydraulic ram pushes a mandrel through the bearing. Once the bearing is removed from the wheel set, the jaws open and the bearing rests on the mandrel for removal. The process is then repeated for the other side before the wheel set is pushed through the machine onto shop rails.

The press can be supplied for fully automatic or semi-automatic operation, depending on the customer's production requirement. The removed bearings can be handled in a number of ways. Optional equipment is available to manage the removed bearings either manually or automatically.





#### Machine Dimensions

Length	266 in.	6746 mm
Width	65 in.	1659 mm
Height	78 in.	1982 mm
Total Weight	20000 lbs.	9000 kg

#### General Specifications

Cycle Time	2 minutes load to unload	
Ram Stroke Press Stroke	17 in.	432 mm
Ram Extend Speed	105 in/min	2667 mm/min
Ram Retract Speed	155 in/min	3937 mm/min
Demounting Force	70 short tons	63.5 metric tons

#### Utility Requirements

Electrical Power	32 kW	
Hydraulic Reservoir	60 US gallons	227 liters

#### Wheel Set Dimensions

Maximum Wheel Diameter	42 in.	1067 mm
Minimum Wheel Diameter	28 in.	711 mm

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