

## Remanufactured Stanray TN-84C Underfloor Wheel Truing Machine Data Sheet

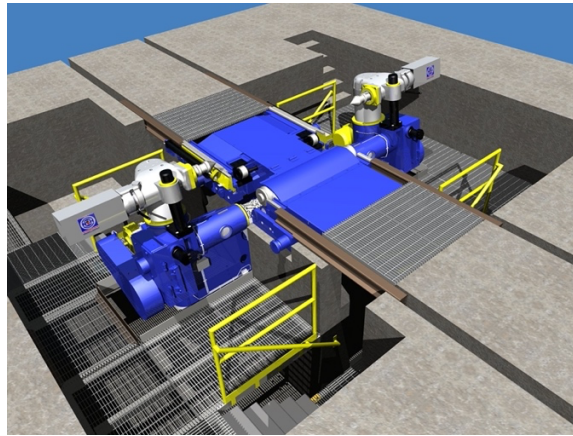


The **Remanufactured Stanray® TN-84C Underfloor Wheel Truing Machine** restores the machine to like-new condition at a significantly reduced cost. The remanufacturing process incorporates all the latest computer control technology, automation, and improved safety features to maximize the remanufactured machine's reliability and productivity. All remanufactured machines are covered by Simmons' standard one-year new machine warranty, and are supported by our Customer Service Center's OEM parts and service program.

The Stanray's comprehensive remanufacturing program is made possible by our detailed records and drawings archive as well as decades of experience with the product line and interactions with Stanray customers around the world. Simmons' manufacturing and engineering teams regularly update and improve the machine, meaning full-profile milling process will manage extreme wheel wear condition and keep your rolling stock safe and on track.

Upon receipt of an old machine, the unit is completely disassembled. All piping and wiring as well as worn parts are replaced. The steel castings are cleaned and inspected, built up by welding, and then completely re-machined to the latest OEM specifications. Purchased components as well as manufactured parts are thoroughly inspected. All new hydraulic valving, piping, and actuators as well as new electric motors, controls, and wiring are installed. Sub-assemblies are functionally checked, and the final assembly is factory and site tested to assure that it meets NSH USA's and the customer's expectations.





#### Machine Dimensions

Fabricated Beam Maximum Length	120 in.	3048 mm
C-Frame Maximum Width	225 in.	5715 mm
C-Frame Maximum Height	107 in.	2717.8 mm
Total Weight	40000 lbs.	18143.67 kg

#### Pit Dimensions

Length	310 in.	7874 mm
Width	305 in.	7747 mm
Depth	113 in.	2870.2 mm

#### General Specifications

Production	Up to 12 wheel sets per 8-hour shift	
Diameter Accuracy	+ /- 0.020 in.	+/- .5 mm
Eccentricity	+ /- 0.020 in.	+/- .5 mm
Profile Accuracy	+ /- 0.010 in.	+/- .25 mm
Surface Finish	200 RMS axially, 150 RMS on wheel circumference	
Milling Cutter Speed	230 RPM	
Hydraulic Centering Ram Force	6600 lbs.	2.9 kN
Hydraulic Hold-Down Force	15 tons	133 kN

#### Utility Requirements

Electrical Power	76 kW	
Hydraulic Reservoir	90 US gallons	340.69 liters

#### Wheel Set Dimensions

Maximum Wheel Diameter	58 in.	1475 mm
Minimum Wheel Diameter	23 in.	585 mm
Maximum Axle Load	50 tons	445 kN

Updated November 16, 2021