

# Specs

## ▲ Slipform Paving

**Barrier / Parapet Height:** Maximum 8' (2.4 m)

**Offset Paving Width:** Maximum 12' (3.7 m)

**Paving Mode Width:** Maximum 20' (6 m)

**Paving Mode Depth:** Maximum 16" (40.6 cm)

**Zero-Clearance Paving Width:** 10-13' (3-4 m)

**Options:** Tie Bar Inserter.

## ▲ Controls

**Operator's Controls:** Plus+1® software. 24-volt.

**Rail Console:** Can move to right side of machine for right-hand pouring.

**Engine Console:** Features two cup holders and a 12-volt power outlet.

**Options:** 3D/GPS stringless control system integration.

## ▲ Engine

**Type:** Cummins QSB6.7 diesel engine, Tier 4 final.

**Power:** 220 HP (164 kW) @ 2200 RPM

**Options:** Tier 3 engine available in select countries.

## ▲ Crawlers & Posts

**Type:** Four hydraulically powered crawler tracks

**Tracks:** 13.7 in (35 cm) wide x 89.5 in (227.3 cm) long

**Speed:** 79/min (24 m/min)

**Post Extension:** 48" (121.9 cm)

**Options:** Polyurethane pads are available for crawlers instead of steel tracks.

## ▲ Belt Conveyor

**Drive:** Hydraulic motor with variable speed pump

**Speed:** 920 ft/min (280.4 m/min)

**Size:** 22 in (55.9 cm) wide, 28 ft (8.5 m) long

**Features:** Pivots for left- or right-side pouring and folds for shipping

## ▲ Vibration

**Vibrator Circuits:** Eighteen hydraulic circuits with variable speed and both independent control and Proportional Master Control capabilities.

**Vibrators:** Straight or bent vibrators are available.

## ▲ Water System

**Washer:** High-pressure (3,000 psi) and low-pressure (80 psi) systems available

**Tank Capacity:** 150 gal (567.8 L)

**Options:** Additional water tanks can be mounted on any post.

## ▲ Features

**Light Kit:** 2 LED work lights per post

**Canopy Top:** Hinged canopy top can be easily raised for machine operation or lowered for transport

**Safety Equipment:** 8 emergency stop buttons (1 per post, 2 on conveyor, 1 on rail console, 1 on engine console). Backup alarm is also included.

## ▲ Service Capacities

**Fuel Tank:** 90 gal (340.7 L) ultra low-sulfur diesel (ULSD)

**DEF Tank:** 5 gal (18.9 L), diesel exhaust fluid (DEF)

**Hydraulic Tank:** 125 gal (473.1 L)

**Engine Oil:** 20.8 quarts (19.7 L)

**Pump Gearbox:** 4.38 quarts (4.1 L)

## ▲ Net Weight

**Machine:** 54,000 lbs (24,494 kg) with conveyor, crawlers, and straddle legs. 80,000 lbs (36,287 kg) at 20 ft (6 m) paving width.

## ▲ Transport Dimensions

The 7700 will transport at US legal width on a single trailer in its standard configuration.

**Length:** 38 ft (11.6 m)

**Height:** 10 ft (3 m)

**Width:** 7.5 ft (2.3 m)



727 Bendix Drive, Salisbury, NC USA 28146

P.O. Box 1639, Salisbury, NC USA 28145-1639

Tele: (704) 636-5871 Fax: (704) 633-8140

Email: [info@powercurbers.com](mailto:info@powercurbers.com)

[www.powercurbers.com](http://www.powercurbers.com)

BR - 77 R2 - 08/18

# Power Curbers & Power Pavers

## Our Commitment Shows

## Power Curber 7700 Multipurpose Machine



[www.powercurbers.com](http://www.powercurbers.com)

# Design Principles

The Power Curber 7700 is a true multipurpose machine that is designed for a wide variety of both offset and paving applications. Like the other machines from Power Curbers, it is as easy to operate as it is versatile.

## ▲ Multipurpose

The 7700 is ideal for the contractor who does different types of work, including offset applications like barrier and variable barrier, bridge parapet, or ditches, as well as road paving applications. The machine's flexibility means it can handle custom designs for other types of offset applications, such as tunnel work.

## ▲ Simplicity

The 7700 features a fully hydraulic telescoping frame that does not require bolt-on extensions for width changes or time-consuming frame modifications when switching from paving to offset mode.

Transitioning from paving to offset mode has never been easier thanks to the Simple Steer Track Positioning System, which aligns all four crawlers into their new position, all with the touch of a button.

The folding belt conveyor is hydraulically controlled and pivots easily to switch from left- to right-side pouring for offset applications.

The 7700 is also stringless-capable for use with 3D/GPS machine controls.

## ▲ Visibility

The operator's console can be repositioned for left- or right-side pouring or paving for maximum visibility from the platform. The operator is always in the optimal position for every job.

The wraparound walkway offers full visibility of the jobsite, as well as easy access for maintenance.

## ▲ Productivity

Each crawler has its own individual hydrostatic pump and uses a true power-to-ground system to ensure smooth paving at the lowest speeds.

Vibrators can be individually controlled and adjusted and are linked together for simple system-wide adjustment using Proportional Master Control.

The conveyor on the 7700 will meet the most challenging conditions for placing concrete for large offset applications.

Secondary sensor on/off controls are located on each leg, allowing the crew to adjust the sensors from the ground, such as for moving the sensors around obstacles while pouring.



8.2' (2.5 m) Offset Paving Configuration



Offset Barrier Wall



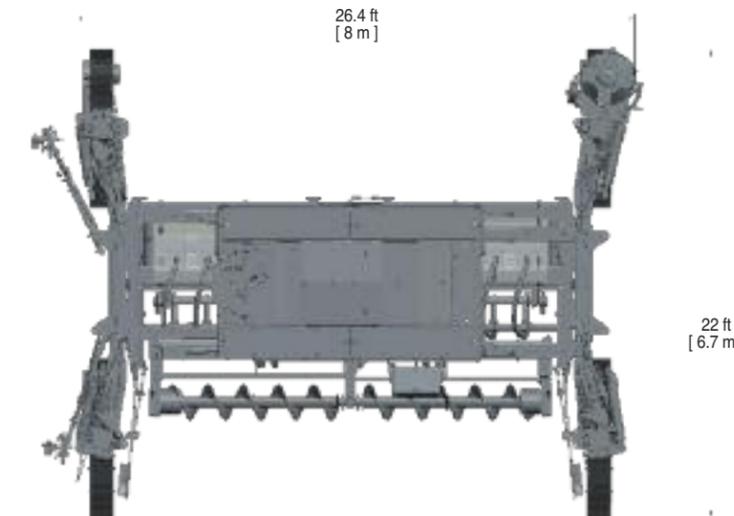
Offset Barrier Wall Base and Other Custom Applications



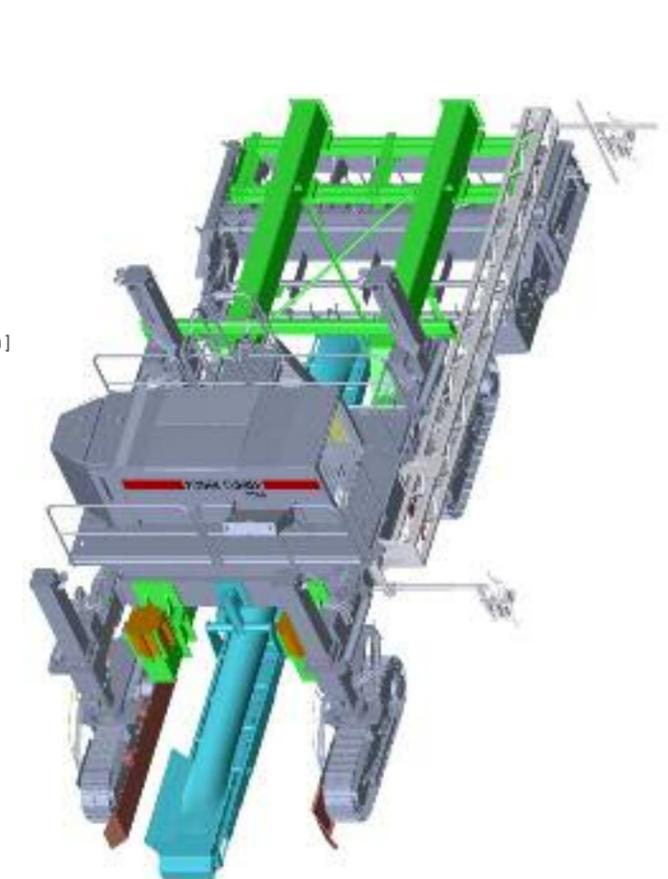
Optional Tie Bar Inserter.



11.5' (3.5 m) Wide Paving Configuration on a 6.7% Super Elevation



26.4 ft  
[8 m]



22 ft  
[6.7 m]

## ▲ Paving Mode

The 7700 is a fully functional road paver. It features hydraulic sides, edge overbuild, and crowning capabilities. Optional features include a tamper bar, auger, and tie bar inserter.

## ▲ Offset Mode

The 7700 can handle even the largest offset applications, including barrier, variable barrier, tunnel work, ditches, agriculture projects, sidewalks and paths up to 12 ft (3.7 m) wide, and more.

## ▲ Zero-Clearance Mode

In situations where side-clearance is a concern, the 7700 can offset the paving pan to the rear. In this configuration, the machine is narrower than the paving profile and can pave up to 13 ft (4 m) wide.

Zero-Clearance Configuration