

Power Pavers



POWER PAVER SF-3404

MULTI-LANE SLIPFORM PAVER

Full Width, Four-Track Paving | Dowel Bar Insertion

www.powercurbers.com

DESIGN STRATEGY

The Power Paver SF-3404 is the newest, most innovative full-width slipform paver on the market. Built with decades of knowledge and technological advancements, the SF-3404 delivers contractors the smoothest, most precise concrete paving possible. The operator-centric and fully-featured paver is available with or without a compact Dowel Bar Inserter (DBI)*.



▲ Operation

The heavy-duty SF-3404 features our familiar SlipSmart Control Solution. It is simple, accurate, 3D-ready, and provides contractors a new level of ultra-smooth, responsive precision.

Slew drive or cylinder steering, swing legs, and **telescopic width adjustments** make setup quick, flexible and straightforward. Also included is the new TrackSmart crawler propulsion, which uses closed-loop control for positive traction and fine speed control at slow speeds.

▲ Visibility

The control panel and operator's platform are directly above the paving pan, which means the **spread auger/plow** and entire grout box are in plain sight for maximum head height control.

The **DBI** is mounted behind the operator's platform, offering direct bar loading and placement visibility.

The wraparound walkway offers access to both engine compartments for easy maintenance.

▲ Quality

The SF-3404's paver-forward design offers superior balance while minimizing operating length. The entire paving pan, **DBI**, and **Oscillating Correctional Beam (OCB)** are within the track's profile, maximizing results.

The first-class **DBI** from Power Pavers is fully-controlled, compact, and capable. The design incorporates a shuttle cart for simple, accurate placement and a floor pan to contain the vibration for full reconsolidation of concrete around the dowels. After placing the bars, the 24" (61cm) OCB's finishing surface returns the pavement to an exceptionally smooth ride-quality.

*Optional Equipment Shown in Red Text

ADVANCED OPERATION

On the SF-3404, machine controls are scalable to the machine speed. The operator receives full on-board diagnostics, no laptop required. For comfort, the operator's platform is isolated from vibration.

VIBRATOR CRUISE CONTROL

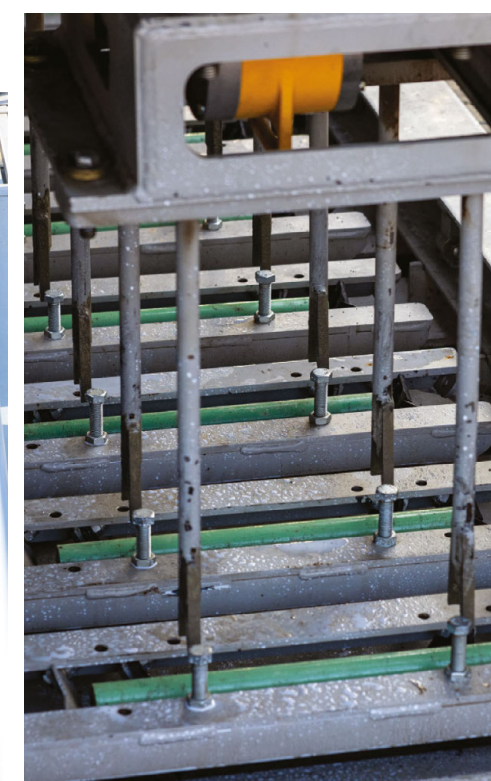
automatically adjusts the vibrators to maintain consistent speed, even if the oil changes viscosity or the concrete slump changes.

ACCURATE CROWNING

For super-elevations and intersections, crown-distance compensation provides automated crown transitions between the mold, DBI, and OCB.

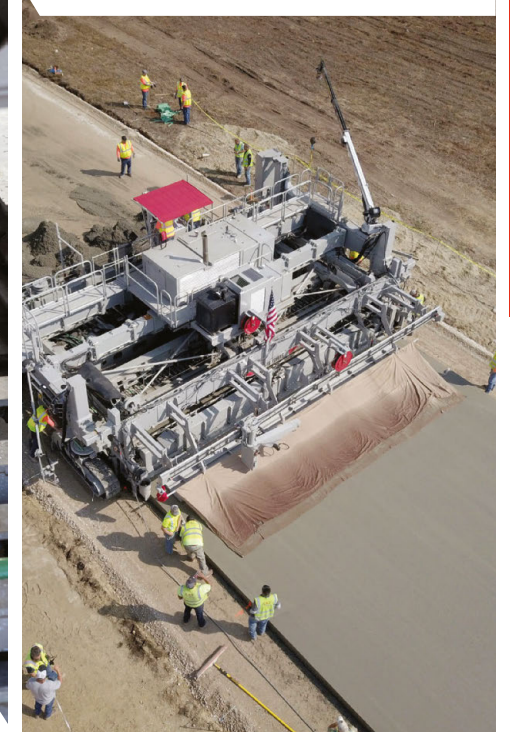
The DBI is split to allow for accurate crowning. Bars are held and guided into the slab, reducing displaced concrete and improving dowel alignment.

View of the grout box from operator's platform. Shown with spread auger, strike off, grout box auger, and tamper bar



View of the vibrating dowel bar insertion arms that will place bars through the slots in the floating floor

View of concrete exiting the machine after dowel insertion and finishing from the Oscillating Corrective Beam (OCB)



DUAL-ENGINE DESIGN reduces CO2 emissions when DBI not needed.

OSCILLATING CORRECTIONAL BEAM (OCB)

30" (76 cm) tall and 24" (61 cm) long finishing length from front to back. Our OCB is the largest in the industry for the smoothest ride possible.

DOWEL BAR INSERTION

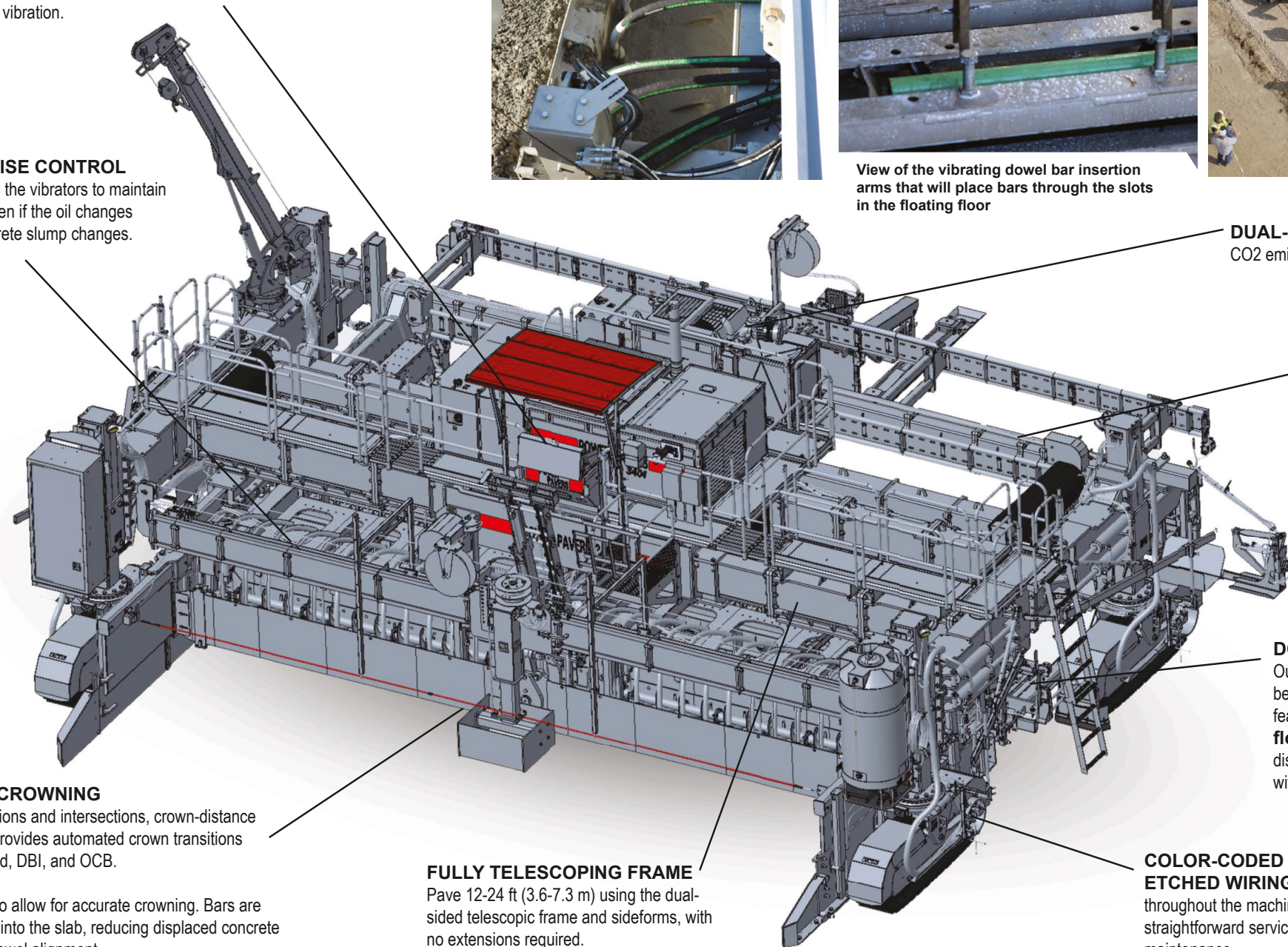
Our DBI is compact and fits between mold and rear posts. It features a **hydraulic floating floor** to minimize surface disturbance and allow you to pave with a wet or dry slump.

COLOR-CODED AND ETCHED WIRING

throughout the machine for straightforward service and maintenance.

FULLY TELESCOPING FRAME

Pave 12-24 ft (3.6-7.3 m) using the dual-sided telescopic frame and sideforms, with no extensions required.



POWER PAVER SF- 3404

Specifications & Dimensions



Slipform Paving

Maximum Paving Width: 40 ft (12 m)
 Hydraulic Edge Overbuild
 Split Sideforms, Swing Out and Batter Control
Crown: 2 for Paver | 1 for DBI
Telescopic Paver Endpan: 2 ft (61 cm) per side
Front Configurations:
 Spread Auger & Strike Off
 Spread Plow & Strike Off
 Open-Front Mold
 Grout Auger
 Tamper Bar
Side Tie Bar Inserter (STBI)
Center Tie Bar Inserter (CTBI)
Compact DBI
Oscillating Corrective Beam (OCB)
OCB Wiper
Final Finisher
Floating Paver Pan
Belt Finisher
Burlap Drag



Engine

Type: Cummins B6.7 diesel engine, Stage 5
Power: 310 HP (228 kW)



Service Capacities

Fuel (Tractor): 148 gallons (673 L) diesel
DEF (Tractor): 26.6 gallons (121 L), diesel exhaust fluid (DEF)
Fuel (DBI): 62 gallons (282 L) ultra-low sulfur diesel (ULSD)
Hydraulic Oil (Tractor): 300 gal (1,364 L)
Hydraulic Oil (DBI): 80 gal (363.7 L)
Engine Oil (Tractor): 20.8 quarts (19.7 L)
Pump Gearbox: 5.25 quarts (4.97 L)
Engine Coolant: 8.8 gal (40 L)



Vibration

Vibrator Circuits: 36 variable-speed hydraulic vibrator circuits with independent and proportional master control
Cruise Control valves for maintaining accurate frequency settings
"Minnich Auto Vibe" monitoring



Controls

Operator's Controls: SlipSmart Control Solution. 24-volt DC.
ConnectSmart: Telematics solution
TrackSmart: Closed-loop crawler propulsion
3D/GPS stringless control system integration from Leica, Topcon, & Trimble



Crawlers & Elevation Posts

Type: Four hydraulically-powered crawler tracks
Steering: Slew drives or cylinder-steer
Swing Legs
Tracks: 16 in (41 cm) wide x 96 in (244 cm) long
Speed: 120 ft/min (37 m/min)
Post Extension: 38 in (97 cm) hydraulic
 18 in (46 cm) mechanical
Polyurethane pads are available for crawlers instead of steel tracks



Compact DBI

Maximum Insertion Width: 40 ft (12m)
Engine Type: Hatz 4H50tcd diesel, Stage 5 silent pack
Engine Power: 74 HP (54.4 kW)
Dowel Crane (4.3 tons)
Hydraulic Loading Legs



Water System

Washer: High-pressure (3,000 psi) and low-pressure (80 psi) systems available
Tank Capacity: 150 gal (567.8 L)
Additional water tanks can be mounted to any post
Burlap Misting Kit
OCB Misting Kit



Other Features

Light Kit: 2 LED work lights per post
Canopy Top: Hinged canopy top can be easily raised for machine operation and folded for transport
Safety Equipment: Emergency stop and horn buttons on each post and at multiple operator positions
Vibration-Isolated Operator Platform
Cup Holder
Large Toolbox
Balloon Lights



Net Weight

Tractor at 32 ft (9.75 m): 87,000 lbs (39,463 kg)
Mold with CTBI: 58,000 lbs (26,308 kg)
DBI with STBI and crane: 65,000 lbs



Transport Dimensions

Tractor Minimum Length: 35 ft (10.67 m)
Tractor Height: 8.17 ft (2.49 m)
Tractor Width: 7.33 ft (2.24 m)
DBI Minimum Length: 17.01 ft (5.21 m)
DBI Height: 8.17 ft (2.49 m)
DBI Width: 12 ft (3.66 m)

* Optional Equipment Shown in Red Text

POWER PAVER SF-3404 AT 32 FT (9.75 M)

