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POWER CURBER PROFILES

Our Commitment Shows

THE RIGHT TOOLS FOR ANY JOB

NEW PRODUCTS FROM POWER CURBERS & POWER PAVERS HIT THE MARKET



Power Curbers & Power Pavers is proud to introduce two new products that made their debut at ConExpo in Las Vegas this spring.

The new Power Curber model is the 7700, a multipurpose slipform machine designed for a wide variety of offset applications and paving up to 20 feet (6 m) wide.

"This machine is the optimal size to pave up to 6 m while exceeding road quality standards, but also gives the contractor the ability to pour offset applications such as barrier or ditch work," said Fred Bryan, International Sales Manager for Power Curbers & Power Pavers.

"The double telescopic frame makes for quick width changes without the use of any mechanical frame extensions or separation of the machine," Bryan explained. "This is a huge advantage for the customer."

The 7700 is ideal for contractors who do different types of work, including road paving and a variety of large offset applications, like variable barrier, bridge parapet, and much more. The machine's flexibility means it can handle complex, custom designs for jobs such as tunnels.

"When an operator looks at this machine versus others on the market, they will see very quickly the engineering and design efforts that we've made to keep things simple," said Bryan. "Everything about this machine was designed to make the operator's job easier without sacrificing quality, production, or efficiency."

In paving mode, the 7700 features hydraulic sides, edge overbuild, and crowning capabilities. Optional features include a tamper bar, auger or plow, and finishers. The 7700 also features the Simple Steer Track Positioning System, which aligns all four crawlers for switching modes. It's stringless capable, so contractors can use it with 3D/GPS machine controls.

Also launching at ConExpo was the Power Paver SF-2404. The 2400 series marks the first Power Paver model available in a four-track configuration. One-touch track positioning and simple steering controls make the 2400 series machines easy to operate.

"The 2404 is sophisticated, it's simple, and it's practical," Bryan said. "We've seen high quality results from machines already working around the world – quality unmatched by the competition."

The SF-2404 is ideal for residential and intermediate paving projects up to 24.6 feet (7.5 m) wide, and can be configured for use with a dowel bar inserter (DBI).

"Four-track machines are required for using DBI," explained Bryan. "You need the larger machine frame and four crawlers to support it. More and more jobs are requiring dowel bar insertion, so this machine meets that need perfectly."

Another feature of the 2400 series is clear visibility from the operator's platform. The operator can quickly and easily move from front to back and all the way around the machine to view the

machines are also stringless-ready.

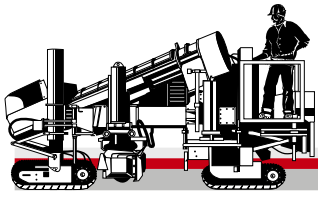
"We have customers working in a tunnel in Saudi Arabia that are getting 1-2 mm tolerances with custom-engineered SF-2404 machines," reported Bryan. "And they're getting that high quality using stringless controls."

"This machine is robust, very solid," Bryan said. "It's going to be dependable for any type of paving project. We've really found the sweet spot."

A two-track model, the SF-2402, is also available.



The wraparound walkway on the SF-2404 offers complete visibility of the machine's operation. Three ladders and a rear walkway provide easy access to the machine for operation and maintenance.



5700-C WITH GPS TACKLES AMUSEMENT PARK PROJECT

Cunningham DeLaney Construction, a turnkey civil and utility contractor located near the Gulf Coast of Alabama, has been building infrastructure for over 16 years. For several years, Cunningham DeLaney owned a slipform machine but sold it during the recession that began in 2008. Until 2015, most of the company's concrete curb work was subcontracted. When the economy got back in full swing, owner Jacob Cunningham decided to purchase another machine.

This time, he purchased a Power Curber 5700-C outfitted with TopCon Millimeter GPS controls. He wanted something completely different than the machine setup he had previously owned, and he didn't want traditional stringline to be a part of his new concrete operation. In the summer of 2015, Cunningham began utilizing GPS technology to pour curb stringlessly.

Once in a great while a contractor wins a landmark job. For Cunningham DeLaney, that job was the new OWA amusement park and hotel complex in Foley, AL, being developed by the Poarch Band of Creek Indians. Cunningham DeLaney worked directly for the owner as the contractor in charge of infrastructure for the project. The more than 300-acre development includes roadways and parking lots with 55,000 linear feet (16,764 m) of curb and gutter, over 100 islands, and 25,000 linear feet (7,260 m) of 5-foot (1.5 m) wide sidewalk.

Having broken-in their new 5700-C on numerous projects over the previous year, Cunningham DeLaney took on the massive job without a stringline stake in sight. The real value of pouring stringlessly became evident as they moved from

island to island without time wasted setting string and without the stringline interfering with trucks and other equipment as they moved around the jobsite.

As with any job, meeting their deadline was critical. "From the start, this project had a very tight timeline for completion," explained Cunningham as he watched the 5700-C move freely across the jobsite. "This machine has made a significant impact on our ability to finish the job on schedule. Our crew has embraced the technology and the machine has been very reliable."

Cunningham DeLaney completed the majority of the curb and sidewalk portion of the job in early 2017, well ahead of schedule, allowing paving crews to move in earlier than expected. With the opening of a hotel, several restaurants, retail spaces, and an amusement park all depending on the completion of Cunningham DeLaney's infrastructure work, every day was critical. Cunningham DeLaney has succeeded in staying well ahead of the other portions of the project and is only weeks away from full completion.

Cunningham DeLaney, Power Curbers, and Topcon form a capable team that has contributed to the success of the very significant OWA entertainment development – a venue that is expected to attract one million new visitors to the area and is projected to increase tourist spending by 7% in Baldwin County.



Cunningham DeLaney also poured 25,000 linear feet (7,260 m) of 5-foot (1.5 m) wide sidewalk and 55,000 linear feet (16,764 m) of curb and gutter.
Photo by Larry Trojak, Trojak Communications



Scan to see video of Cunningham DeLaney's stringless curb & gutter work on the OWA project.



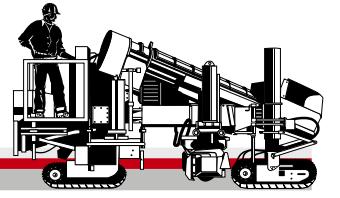
Owner Jacob Cunningham checks the accuracy of the curb placement with the Topcon rover.
Photo by Larry Trojak, Trojak Communications



A row of freshly completed radius islands stretches into the distance as Cunningham DeLaney's 5700-C pours using Topcon Millimeter GPS controls.
Photo by Dane Peters, Topcon



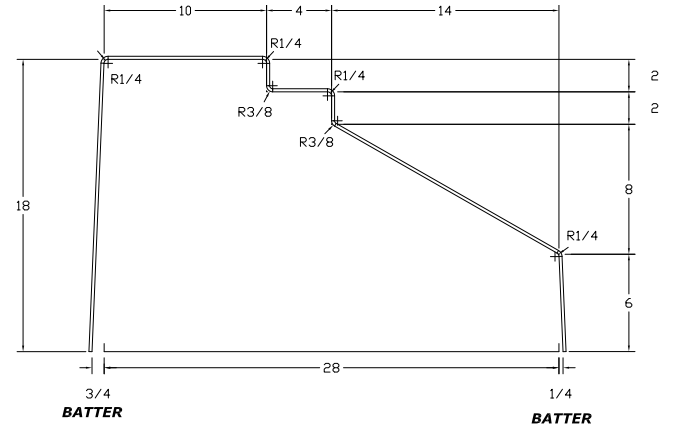
Cunningham DeLaney pours all of their sidewalk and curb with no stringline, using Topcon's Millimeter GPS machine controls. The shape of the parking lot islands they poured on this job can be seen on the Topcon display.
Photo by Larry Trojak, Trojak Communications



HOME RUN FOR NATALE CONSTRUCTION



The concrete footing poured around the perimeter of the outfield will have the outfield fence posts anchored into it.



in height from 4 to 10 feet (1.2 – 3 m) high.

The turf anchor is also used around the pitcher's mound to secure the edge of the turf where it meets the dirt of the mound. In this part of the field, since fence posts are not needed, the synthetic turf will be mounted to the top slab of the anchor instead of just to the shelf.

Natale installed 1,200 linear feet (366 m) of turf anchor for the baseball field, and an additional 1,400 linear feet (427 m) for the perimeter of the football field. The turf is mounted to the concrete using a combination of glue and stainless steel screws, placed every 18 inches (46 cm).

Natale has been in the construction business for over 30 years, starting out doing general labor and hand forming curb and sidewalks.

"I decided to start my own business with my father and uncle in 2003 and started installing extruded curb," tells Natale. "In May of 2012, we purchased a factory-reconditioned 5700-Super-B and it's been a great machine!"

Making the change to a slipform machine was a big change for Natale's business. The family-run and operated business now includes Nick's son Joe, who has worked for his dad for eight years as the foreman.

"In New England a lot of people are set in their ways about hand forming, so it can be challenging to convince people that it's better quality and more productive with the machine, and big savings to say the least," explains Natale.

"Power Curbers has been great to work with in every department. Special thanks to Terry Duncan [Regional Service Manager] who with a phone call could help me through almost any difficulty. Also Steve Milam: he's on my speed dial and always helps me out when I need it. The Parts and Molds Departments are also very helpful."

Connecticut Power Curber owner Nick Natale of Natale Concrete Construction recently poured a unique profile with his 5700-Super-B for new high school athletic fields.

The new Warren Harding High School is being built to replace the existing 90-year old Harding High in Bridgeport, CT. The \$106-million school will be over 144,000 square feet and home to 1,150 students. Athletic fields and an eight-lane running track will be built adjacent to the four-story glass and masonry structure.

The plans for the Harding baseball and football fields include synthetic turf playing surfaces, which will be anchored into a concrete footing that surrounds the field. Nick Natale's crew slipformed the turf anchor, a 28-inch (71 cm) wide profile with some complicated angles and radii. The top of the turf anchor is a 10-inch (25 cm) wide level surface, with a 4-inch (10 cm) wide shelf located 2 inches (5 cm) below it.

"No one has done this type of work up here with a machine; it was hand formed and very costly," says Natale. "With the expertise at Power Curbers we had a

custom mold built to the specs of the job, and what an audience we had!"

"The only challenge was among the concrete truck drivers to see who could run their nine yards of concrete out the fastest!" joked Natale. "With my team and the Super-B and a fantastic ready mix company, Suzio York Hill, our quality was good as you could get."

Natale's crew poured the turf anchor around the perimeter of the fields on a packed subgrade of crushed stone. As the preparation of the fields continues, the fields will be filled in with layers of crushed gravel and clay dirt to form the playing surfaces, which will bury the remaining 14 inches (36 cm) of the concrete.

The field turf will then be laid on top of the dirt and anchored onto the 4-inch wide concrete turf shelf. For the baseball field, baseline and outfield fence posts will then be mounted into the 10-inch (25 cm) wide top of the turf anchor. The post holes will be core-drilled into the finished concrete and the posts grouted into place every 6 - 10 feet (1.8 – 3 m). The fence will vary



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1 Natale's 5700-Super-B pours up the first base side of the new baseball field towards home plate. They also poured the 8' radius for three pitchers' mounds: this one for the playing field and two additional mounds for each team's bullpen area.

2 Nick Natale's son Joe is following in his father's footsteps, joining the family business at age 18.

3 The bullpen mounds were so far into the corners of the field that access for the ready-mix trucks was limited. This mound, for the visiting team, required the truck to be up on a hill above the 5700-Super-B.

4 The synthetic turf for the field will be anchored onto the four-inch shelf at the top of the concrete.

5 The turf anchor in the outfield butted right up to a concrete retaining wall, leaving only a few inches between the retaining wall and the mold.



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POWER CURBERS POWER PAVERS

PROFILES

Volume 26, Issue 2

Power Curbers, Inc.

SF-2700 Spotlight: PAVING WITH 3D

Location:
Ankeny, IA

Customer:
Kingston Services, Des Moines, IA

Project:
SW Vintage Parkway Connector

Application:
Connecting the two end sections of
SW Vintage Parkway, approximately
2,000 linear feet (609.6 m) with
intermittent curbhead

Specifications:
22.5 feet (6.9 m) wide, 9 inches (22.9
cm) thick with 2% slope on the left
side and 3% slope on the right side

Accuracy:
Between 1/100th and 3/100ths using
Topcon Millimeter GPS machine
controls



INTRODUCING THE POWER CURBER 7700

