



Recipient, E-Award for Excellence in Exports, US Department of Commerce

POWER CURBER PROFILES

Our Commitment Shows

Zero Profilograph Airport Paving




Metro Pavers SF-2700 paving 25 ft. wide on an airport runway extension.

Achieving zero profilograph readings on a concrete paving job is very difficult says Nick Kempf of Metro Pavers in Iowa City, IA.

His crew did it recently on a two-phase airport paving application at the Iowa City Municipal Airport. Nick says the keys to pulling off such a profilograph reading were experience, a good crew, consistent concrete and close attention to the stringline. To assist in keeping a consistent supply of concrete to the paver, they used a placer spreader in front of the slip-former.

Nick has used Power Pavers equipment for years. He finds it dependable, the right size for his mix of work, and very versatile. On a recent parking lot job, the Power Paver SF-2700 paved sections of 25, 26, and 28 feet wide. "The machine changes widths quickly" stated Nick, making it ideal for such work.

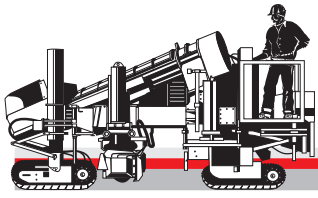
Nick says his crew had some nice runs on the airport job. They paved in 25-foot wide panels, for a total of 100-foot wide runway extensions. Paving at 12 inches thick, they paved a total of 3,500 linear feet.

Metro Pavers has been in business since 1966 and focuses their concrete paving in a variety of applications including airports, commercial parking lots, and streets. 



The concrete is supplied in front of the paver with a Power Pavers PS-2700 Placer/Spreader to ensure a consistent supply.

Photos by Fred Hite, General Manager, Power Pavers, Inc.



South African High-Speed Rail Project Cuts Commute-Time



Photos courtesy of Quentin Leppan, Exotic Concrete t/a K.C. Civils.

5700-C pours on viaduct deck for high speed railroad in South Africa.


Like many major cities, Johannesburg South Africa is no stranger to traffic congestion. The 37 mile (60km) drive to Pretoria, its neighbor to the north can take up to 2.5 hours. Near that route lays O. R. Tambo International Airport only adding to traffic snarls. With increasing motor traffic and the 2010 World Cup looming, Johannesburg officials in 2000 began laying the groundwork to improve the situation.

From those discussions the Gautrain High Speed Rail came to life. This massive \$3-billion (US) project will connect Johannesburg and Pretoria with high speed rail running through a series of tunnels, flat railway, and viaducts. Why take on such a project? The trains, traveling up to 110mph (180km/h) will not only cut travel time between the two cities from several hours to 40 minutes, but will reduce air pollution in this crowded corridor.

Bombela CJV, a consortium of six groups leads the construction effort. In early 2008, Bombela approached Power Curbers looking to speed and simplify their method for installing bundles of electrical conduit alongside the rail on the viaducts. Though steel was used to form the basket for the bundles, anchoring and protecting the electrical cables was a problem as it could not be anchored into the viaduct deck due to the waterproof membrane covering the deck surface. After a series of technical conversations with Power Curbers, Bombela chose the Power Curber 5700-C to slip-form a four-foot wide (1.2m) wide by 5-inch (127mm) thick leveling slab. Following the slip-formed slab, the steel reinforced basket was placed into the slab's wet concrete. Then conduit that would house electrical cable was secured onto the reinforced bar. The following day, the Power Curber 5700-C slip-formed a 30-inch (75cm) high by 22-inch (55cm) wide concrete block over the steel basket, encasing the steel and

conduit. Slip-forming over the steel provided the anchoring on the viaduct that steel alone could not. Immediately after the 5700-C made its pass, the top of the block was opened every 230 feet (60m) to allow access for pulling electrical cable. The openings were then capped with steel access doors.

Quentin Leppan, of Exotic Concrete t/a K.C. Civils, partnered with Bombela and was responsible for all aspects of the slip-formed concrete. Exotic Concrete found that both production rates and quality exceeded their expectations. "We were able to complete up to 500 meters (1,650') of the leveling slab and reinforced steel stands in a 9 hour shift and in excess of 300 meters (1,000') of the concrete cover block in a 9-hour shift. We've done very little hand work on the completed slip formed end-product as the 5700-C is more than capable of producing repetitively good quality," commented Leppan. Given the highly technical nature of the project, Exotic leaned heavily on Power Curbers expertise and field experience. "My experience when working with the people at Power Curbers has been excellent. Their willingness to assist with technical information and general queries is unsurpassed. We were assisted by Wayne Irby (Technical Support Technician) at the start of the project and his assistance and technical ability was highly appreciated and invaluable to get us going."

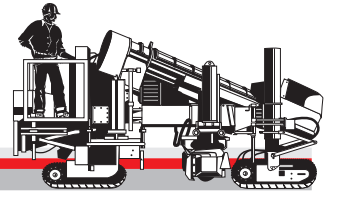
All told, Bombela will slip-form about 57,000 linear feet (17,000m) on the project. Plans call for completion of the first phase of the project in early 2010, in time to accommodate incoming World Cup air travelers, with completion of the entire network in early 2011. To learn more about the project, visit the Gautrain website at www.gautrain.co.za or contact Ryan Phillips of Slip-Form, the Power Curber dealer in South Africa. 



Steel baskets/conduit over which a concrete encasement was slip formed.



Finished pour showing both the leveling pad and conduit encasement.



Florida Contractor Orders 5700-C for Barrier

Barreiro Concrete Corporation in Princeton, FL needed a new machine for their barrier work. They took advantage of several options for the 5700-C that they felt would be especially beneficial for this application. They replaced a Power Curbers 8700 with this specially equipped 5700-C.

Barrier Mold Lift

This option mounts between the machine and a barrier mold and allows the operator to hydraulically lift the mold independent of the machine. With 26" (66cm) of lift in addition to the 36" (91cm) of post extension, it allows the mold to clear a tall rebar cage at the start and finish of a day's pour.

Trough Top Auger Conveyor

A variation of our standard enclosed auger, the trough top design works well with the very low slump material used for barrier wall applications.

Polyurethane Track Pads

As an alternative to our standard steel grouser pads, the poly pads are great for any application where the machine is running on the pavement.

Weight Pod

The "belly" mounted weight pod adds 1,980 lbs. (900kg) to the machine to offset heavy barrier molds and the barrier mold lift.

All Crawler Steering

Some operators appreciate our all crawler steering option when pouring large barrier profiles. It is especially helpful when pouring against an existing structure.

Company owner, Americo Barreiro, said "the machine worked very nicely and I like the open top conveyor for low slump concrete. The operator loved the mold lift and all crawler steering when exiting the end of his wall pour."



5700-C is shown with optional Barrier Mold Lift, Polyurethane Track Pads, and All Crawler Steering. The machine is on a barrier wall job in Miami, FL.



The optional Trough Top Auger Conveyor, Weight Pod, and Polyurethane Track Pads enhance the machine for barrier work. This 5700-C is owned by Barreiro Concrete of Princeton, FL.

Photos by Gary Shifflet, Regional Service Manager

IN THE NEWS

Power Curbers Wins Progressive Manufacturing Award

Power Curbers, Inc. was recognized as a winner in *Managing Automation* magazine's fourth annual Progressive Manufacturing 50 Awards. The 50 companies were named at the Progressive Manufacturing Summit, held in Las Vegas.

The program recognizes companies that have demonstrated mastery of one or more of eight disciplines that will be keys to the success and prosperity of manufacturing companies in the coming years, according to the awards criteria. The eight core disciplines are leadership, operational excellence, business model mastery, customer mastery, data and integration mastery, innovation mastery, supply network mastery, and training and education mastery.

Jeff Moad, of the magazine's editorial staff, wrote that the winners "certainly aren't the only organizations that face a wide variety of intensifying competitive challenges. These days, just about every manufacturer, large and small, must cope with stiff challenges from low-cost offshore competitors, rising energy and raw materials costs, escalating levels of regulation, and soaring customer expectations — among other things.

"But what sets the Progressive Manufacturing 50 Award winners apart is that, rather than accepting these challenges passively, they have aggressively set out to shift the balance of power back in their favor, often through the innovative use of technology."

Power Curbers Featured on the Cover of Construction Equipment



A 5700-C on the cover of Construction Equipment.

The 5700-C was selected for the cover of the January issue and its Curb & Gutter Machine Buying File article and associated Gallery. See more at ConstructionEquipment.com. The machine is owned by Curbman, Inc. located near Lakeland, FL.



BICES 2009
November 3-6, 2009
Jiuhua International
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www.e-bices.org



ExCon 2009
November 25-29, 2009
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Bangalore, India
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World of Concrete 2010
February 2-5, 2010
Las Vegas Convention Center
Central Hall, Booth C-6037
www.worldofconcrete.com

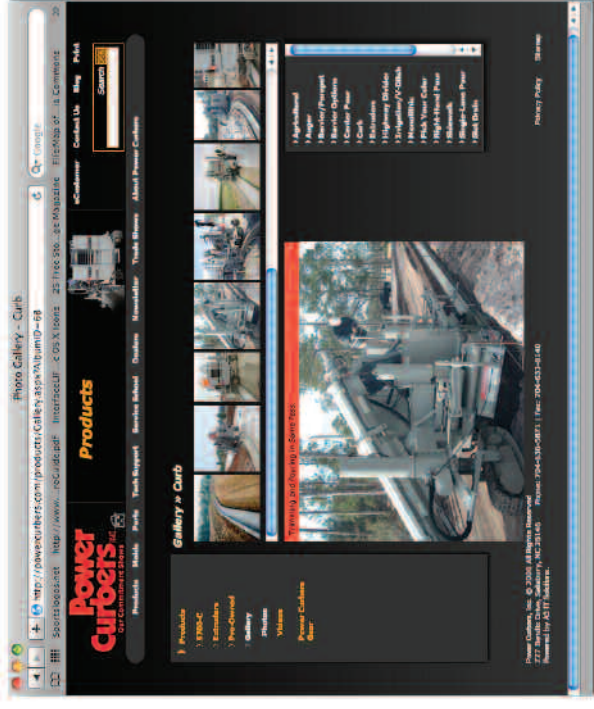
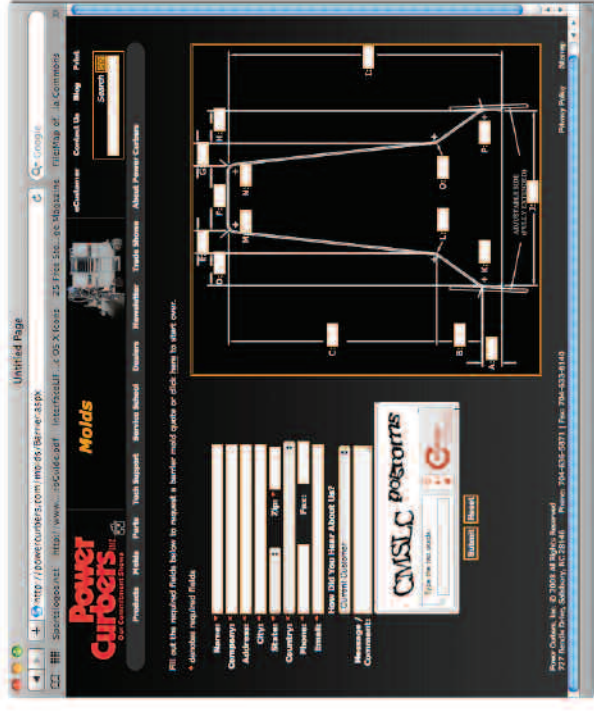
Have You Visited Our Web-Site Lately?!

If you've not been on our web-site lately, you may have missed some of the new features including a photo and video gallery, an interactive mold template section, a glossary, and even a blog and forum! Here's a view of the home page.

In the molds section, we have numerous templates for various slip-form shapes such as curb, curb & gutter, sidewalk, and barrier wall. A handy method of submitting a mold request is to select a relevant template and fill in the dimensional data. Then, complete your identification data and hit "submit". Your information will go straight to our molds department; you'll get a detailed scale drawing in return for review and approval. A sample page is shown below.

As the saying goes, "a picture is worth a thousand words", we've got a growing library of photos in the gallery of the products section. You can reach it directly from the home page through the Applications Spotlight feature. If you've got nice photos of your machine, maybe on a high profile job, a scenic setting, or of a unique application, send them to us.

Users can find information on new and used machines, order Power Curbers shirts, jackets, and caps, check the dates for upcoming service schools, and search the archives of our newsletters. Most of the pages are printable so you can take the information with you; see the "print"



selection at the top right corner of the screen.

Check it out at www.powercurbers.com and let us know what you think. And, soon the Power Curbers and Power Pavers product lines will come together in one consolidated web-site. So, watch for updates.

POWER CURBERS PROFILES POWER PAVERS

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Power Curbers, Inc.



Photo courtesy of Quentin Leppan, Exotic Concrete via K.C. Civils

High Speed Rail Project Prepares Johannesburg for World Cup

Bombela CJV uses a 5700-C to slip form concrete encasement to protect electrical lines on viaduct deck for high speed railroad in South Africa. Given the highly technical nature of the project, Power Curbers personnel were consulted to help develop a solution and implement it in the field.

Details Inside

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