

OGURA



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SHOW BOOTH IMPROVEMENTS DRAW CUSTOMERS AND POSITIVE COMMENTS

Louisville, Kentucky

For the Louisville Expo a new overhead sign was created showing a cut-away of an Ogura PTO clutch. This new sign along with a new lighted center tower



New Overhead Sign and Lighted Center Column made it easy to spot the Ogura booth



Ogura arrives at Louisville with the largest staff to date



Customers learning the latest about PTO clutch/brakes

allowed customers to easily locate the Ogura booth. Once in the booth, these customers saw new pictures, new samples of clutches on display and new graphic panels displaying the logos of both current customers and new ones that have started using Ogura over the past year.



The Engine and Equipment Training Council highlighted Ogura as one of the industry supporters at their booth with a plaque and display of Ogura products

At the show there was a solid confirmation from existing users that the Ogura PTO clutch / brakes were performing very well in their applications. In addition, many positive comments came from the newer users of equipment who recently switched their clutch to Ogura. Many of these customers are just getting exposure with Ogura on their new equipment but commented on the fact that they have already seen a reduction with clutch failures and that they were glad to now have an adjustable clutch on their machine.

Ogura's Environmental Policy Acknowledged By Canon

Kiryu, Japan

In August the manufacturing facility in Kiryu, Japan that produces micro clutches for copy machines and printers was awarded the Certificate of Green Activity by Canon. This certification awards companies that comply with Canon's Green Procurement Standards.

Canon
Green
Award



OIC EMPLOYEE PROFILE

Vernell St. Prix Administrative Assistant

Hello, my name is Vernell St. Prix and I just joined Ogura Industrial as the Administrative Assistant. I was born in St. Croix, USVI, though St. Lucian by blood, and came to the states when I was 4. Since then I have lived between Middlesex and Somerset counties in New Jersey. In addition to working here at Ogura I am an undergraduate student at Rutgers University in New Brunswick. I am majoring in Psychology and after attending graduate school, plan to be a Forensic Psychologist, known as Dr. St. Prix. Prior to coming to Ogura I worked at a psychiatric hospital for 2 years as a Secretary/Administrative Assistant and Mental Health Technician. I enjoyed working with the variously diagnosed patients there and am glad that I have 2 years of psychiatric experience under my belt. (This will help in dealing with the Ogura sales representatives.)

When I am not at work or in class, I like to watch my favorite TV shows, which are too many to mention, write, sing and sleep. I am normally too tired to go out, so relaxing at home with my boyfriend and cat is my current favorite activity.

I am really happy working here at Ogura and I am looking forward to meeting many of you.



Vernell St. Prix

Website Enhancements

To help customers with questions regarding installation and maintenance, new PDF files have been added to the Ogura Industrial web site. These installation and maintenance bulletins are specifically designed for each Ogura clutch series. Many of the installation and maintenance bulletins contain graphics, electrical specifications and/or dimensional information providing customers

with the most accurate information possible to assist with their installation. These bulletins can be found under the product picture on each of the pages on the website.

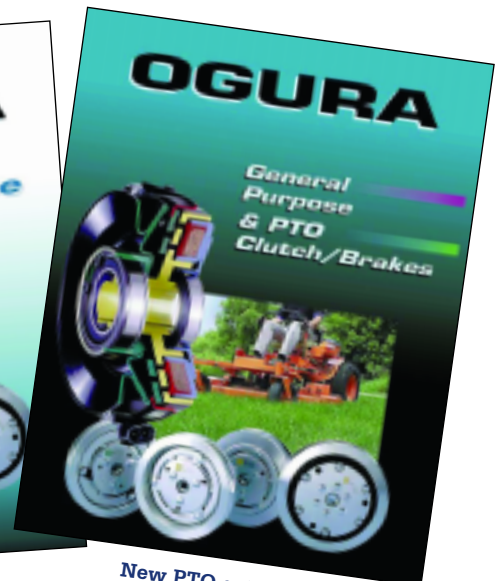


New installation and maintenance PDF link

New Mobile, General Purpose and Turf Clutch Catalog Released



New Mobile catalog



New PTO catalog

The new catalogs for mobile products were released and distributed at the Louisville Expo. New models of flange mounted mobile clutches, bearing mounted general purpose clutches and PTO clutch / brakes have been added to both catalogs.

Information on the new GT5 series PTO clutch / brake has expanded to show dimensional details and drawings to help customers choose the best pulley and mounting options. These catalogs are available through either the local sales rep or directly from Ogura Industrial.

APPLICATION STORY

THIS STRIPPER TAKES IT ALL OFF

When Richard Rohrbacher, CEO of Cyclone Surface Cleaning Inc. of Tempe Arizona, contacted Ogura for a solution for a new clutched drive wheel system, neither he nor Ogura were aware that within Ogura's vast product line, they would find the perfect design solution. The new machine was a state of the art, industrial strength cleaning system for the removal of petroleum based waste contaminants from concrete and other hard surfaces requiring environmentally friendly methods of cleaning. These machines operate without the use of hazardous chemicals.

The units double flux armature is designed to achieve a high 149 NM of torque in a relatively small package.

Their patented designs use water at a high temperature (up to 200 degrees), high pressure (up to 6500 pounds per square inch) and a recovery system that leaves absolutely no residue or discharge to the environment. The waste water and residue are completely recycled, making his equipment the best in the industry for today's politically correct public or private works operation.

Cyclones walk behind units (they also make truck mounted systems for larger applications), were well balanced and easy to push, but operators were tiring early and straight line tracking wasn't always assured. Always looking for improvements, Richard decided to add a powered drive wheel system to

the machine. He wanted to keep the machine as small and light as possible. He didn't want to add the weight and expense of a separate high speed hydraulic pump, dual hydraulic motors, valves, switches and related hoses. He already had an unused high torque, low speed shaft at the gearbox output that was driven by a 24hp gas engine on the machine. He wanted to use this drive shaft with a simple reliable chain and sprocket drive system to power one "posi-traction" axle with independent on-off controls for each wheel.

His idea was to add one electric clutch per each of

the two uniformly driven wheels. Then, by simple squeeze switches on the handles, he could power both clutches for straight line tracking or one at a time for tank like turning and full power to the outside wheel. The machine could then be easily maneuvered around obstacles and operate in tight corners.

Ogura suggested a double flux combination clutch brake package for the application. The units double flux armature is designed to achieve a high 149 NM of torque in a relatively small package. Not only could he mount his wheels directly to its hub, but the built-in power off brake would slow down the free



Airport surface cleaning



Bus terminal cleaning



Ogura wheel drive clutch brake

wheel affording a tighter turning radius. In addition, with the power off to the machine, the spring set brakes would act as parking brakes, keeping the machine stationary on slight inclines. The simplicity of installation helped as well. Cyclone simply slides each clutch onto the 1 inch diameter shaft, uses a pin as an anti rotation feature, then holds the clutch in place with a center bolt and washer. The exposed hubs then become the mount for the pneumatic drive wheels. Ogura's solid rotor design allows the full weight of the machine to be carried this way. Competitor's designs will not handle these types of extreme radial and axial loads.

Ogura and Cyclone Cleaning services, helping strippers keep the world a little cleaner.



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Happy Holidays from the staff of
Ogura Industrial



OGURA IN THE NEWS

Ogura Drift Cars Make a Strong Showing in U.S.

Las Vegas, Nevada

The ORC350C Drift cars sponsored by Ogura made both the cover and the feature article in "Modified Mag". Ogura is one of the leading sponsors for the D1 racers and manufactures both twin plate clutch and the fly wheel for these cars. The car featured on the magazine cover is one of the actual race cars now used on the California D1 circuit.

In October, Ogura also helped sponsor seven out of the nine drift cars that put on a demonstration at the Sema show in Las Vegas. The cars thrilled the crowds from November 1st through the 3rd racing the drift cars against both Dodge Vipers and Ford Mustangs. Both the ORC logo and the Ogura Clutch logos were visible, showing Ogura's solid sponsorship of D1 racing.



"Modified Mag" featuring Ogura sponsored racecar



D1 racer at Las Vegas show displaying Ogura logos

Cumatix Exhibits Ogura Products in Sweden

Stockholm, Sweden

Ogura Industrial's new sales representative, Cumatix, exhibited a variety of Ogura clutches and brakes at the "Scanautomatic Show" in Stockholm, Sweden, October 18th to the 21st.

This show is the largest factory automation show in Sweden and takes place every two years. The show was held in conjunction with the "Technical Trade Show", which is an annual event. The shows attracted major decision makers within the factory automation field. This year's number of visitors reached an all time high of 31,493 for the combined shows.

This was the first exhibit of Ogura products in Sweden and Cumatix was able to introduce Ogura and distribute the new CD's to many potential customers.



Ogura clutches on display at show in Sweden

Ogura Exhibits at ITMA Asia Show

Singapore

In October the International Textile Machinery Association held their annual trade show in Singapore. Ogura displayed magnetic particle and permanent magnet clutches and brakes along with their associated controls for use in controlling tension in textile applications.



Ogura yarn and fiber tension control products on display at ITMA Asia show

Overall, the show was successful with around 30,000 visitors from over 33 countries. Next year the show will take place in Beijing, China and the following year Munich, Germany.