



OGURA CLUTCH CELEBRATES 80 YEARS

Kiryu, Japan

This May, our company celebrated its 80th Anniversary and it will be a milestone year for us. (The 80th anniversary logo has been added to our website and business communications.)

A special message from Ogura Clutch Co. Ltd., President, Mr. Yasuhiro Ogura:

"In order to achieve further development as a global company, we are going to establish a manufacturing system which will take advantage of all our branch locations. For example, our affiliated company OCC (China) expanded its manufacturing space last year. Three factories based in China (OCD, OCC, OCW) will receive orders from the Chinese market and will also play a role as an export base of the group. However, labor costs have risen suddenly in China, and we need to strengthen the manufacturing system where the costs are reduced by increasing productivity.



Ogura Clutch 80th Anniversary Logo

In addition, I believe that our values will be maintained by cooperation within Asian factories including OCT (Thailand) and OCI (India) and their close cooperation with the factories in Japan and by providing the quality, price, and delivery time that satisfy our customers.

In 2018, we will continue to make great efforts to get at least one step closer to our goal of 50 billion yen sales and we will set up systems that will help us to achieve this. We will continue to move forward so that the year of our 80th anniversary will become a good year for the company as well as our stakeholders."

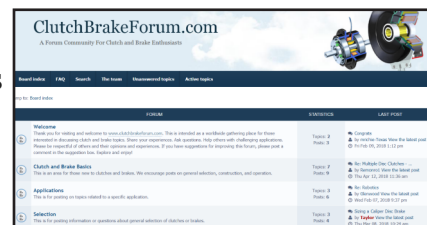


Ogura Clutch Co. Ltd., President, Mr. Yasuhiro Ogura on Ogura's 80th Year in Business

NEW INDUSTRY FORUM/COMMUNITY

Somerset, NJ

Ogura Industrial is providing assistance to a new web forum located at www.clutchbrakeforum.com. Ogura and other industry clutch leaders are providing direct technical assistance to visitors to the forum in which visitors can ask general and technical questions on clutches and brakes. Besides electromagnetic clutches and brakes, the site also has categories for mechanical, pneumatic, hydraulic and others. If you have a question or interest regarding clutches and brakes, this site is an outstanding location to both gain and share knowledge with others.●



www.clutchbrakeforum.com

Ogura Sales Rep Profile

Doug Martino Keller Industrial Products, Inc.

With over 25 years' experience as a technical sales professional and mechanical designer, Doug has been with Keller Industrial since October 2012. With a career concentrated in industrial and automation sales, Doug has successfully helped OEM and end-user customers apply products and solve problems with a hands-on approach.



Doug Martino

As a former owner of a safety integration company, Doug has partnered with customers to design, fabricate, and install turn-key systems involving both electrical and mechanical components. Doug is well versed in applications involving machine and process automation and safeguarding, systems integration, complex projects, and both AHTD and PTDA distribution sales.

Doug lives in the Philadelphia region with his wife of 25 years, Christine, and their two sons, David and Christopher. Doug works from his home office in Malvern, PA, and will work closely with Brian Mather throughout the Eastern, PA and South Jersey territories. Doug looks forward to meeting all Ogura customers in the Delaware Valley area in the weeks ahead. ●

OCW RECEIVES RESPONSIVENESS AWARD FROM MATSUSHITA

Wuxi, China

Last quarter, Ogura Clutch Co. Ltd., China (OCW) received the Excellent Responsiveness Award at the Business Plan & Policy Presentation Meeting held by Matsushita Motors Co., Ltd. OCW was recognized for prompt response to rapid changes in shipment quantities. Their ability for their communication skills and efficient management of the vendor managed inventory was also praised. ●



OCW and other suppliers receiving Responsiveness Award

OCC RECEIVES COOPERATION AWARD FROM TAMAGAWA

Chungxing, China

Last quarter, Ogura Clutch Co. Ltd. China (OCC) received the Excellent Cooperation Award from Tamagawa Precision Machinery Co., Ltd. At the end of 2017, Tamagawa had a large increase in small motor production, which made it very difficult to procure related parts. OCC was recognized as a vendor that provided prompt service and products to help Tamagawa meet this production surge. Additional production increases are projected in the current fiscal year and OCC is increasing production capacity to meet Tamagawa's delivery and quality requirements. ●



*Cooperation Excellence
Award*



Mr. Sugita (right) of OCC receiving award

"MONTY, I'LL TAKE WHAT'S BEHIND CURTAIN #3"

Curtains and blinds help our homes create a more comfortable living space. They can be found in most households in one form or another. The basic roles of curtains are to provide privacy, adjust light coming in from a window and temperature insulation. Another role of curtains, which is less of a priority when purchasing them, is crime prevention. At night, curtains prevent would-be thieves from easily determining if anybody is at home and in the daytime, sheer curtains can do the same. In both summer and winter, curtains provide insulation and help to block sunshine. Curtains can also absorb and reduce noise which is why you find thick noise dampening curtains in hotel rooms.



Ogura clutches and brakes help control motorized curtains

In luxurious hotels and high-end homes with very tall windows, motorized curtain control is common. With a click of a button, curtains can be easily opened or closed. It is in some of these applications where you will find both Ogura clutches and brakes. In standard vertical electric curtains, a motor and speed reducer are used to both open and close curtains controlled by a hand held remote. When power is applied, the clutch engages, the motor reducer drives through the clutch to drive the curtain control rod. When power is not applied, the clutch is disengaged so the curtain can be pulled open or closed manually. Without the clutch, it could be extremely difficult to try to back drive the reducer and motor, and the force required would cause damage to the curtain. Also, without a clutch, the

curtain could not be opened or closed if a power failure were to occur.



Ogura MIC clutches

In horizontal or angled curtains, when the motor and gearbox stop driving, the weight may start to slowly backdrive the gearbox and motor so the curtain would no longer hold its position. In these types of applications, a spring applied holding brake is used to hold the curtain control rod in place. When switched on,

power goes immediately to the motor mounted brake releasing the brake and allowing the motor to turn either clockwise or counterclockwise. When electrical power is turned off, the motor rapidly decelerates and the brake coil degrades allowing the springs to engage the brake disc which is attached to the motor shaft.

Besides curtains, Ogura micro clutches are also used in door closers, door locks, rolling shutter doors and gates to help open, close or hold in place. ●



Ogura MCNB brake



Ogura in the News

2018 LAWNMOWER RACING SEASON

Jacksonville and Avon Park, Florida

In May, in Jacksonville, Florida, Bobby Cleveland showed off his new racing lawnmower at the Monster Truck show at the Clay County Fairgrounds. Bobby ran in four of the exhibition races over the two days and took 1st place in one of the races. Attendance was good at over 8,000 people.



Bobby Cleveland's new racing mower

Chuck Miller currently sits in 4th place in the BP Division of the US Lawnmower Racing Association. He participated in races in North Carolina, where he placed 2nd and Avon Park, Florida where he gained a 1st and 3rd place finish. ●



Chuck Miller wins 1st and 3rd Place

NEW PERMANENT MAGNET BRAKE ANIMATION RELEASED

Somerset, New Jersey

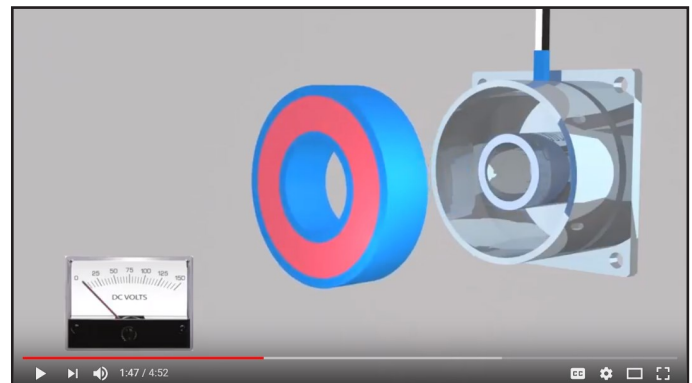
Ogura has created

a new animation showing how permanent magnet brakes work. The animation shows an exploded



Permanent magnet (PMB) series

view of the component parts and how they interact with each other. In permanent magnet brakes, holding force is created by permanent magnets and released by energizing the magnetic field. Permanent magnet brakes are higher torque and smaller diameter versus spring applied brakes. Permanent magnet brakes also allow torque to be controlled by varying the offsetting current to the brake. Brakes are used on a wide variety of medical, robotic and other motion control applications. ●



Ogura's new permanent magnet brake animation video