



OGURA WINS BRONZE IN 2021 LEAP AWARDS

Somerset, NJ

For the past four years, Design World has sponsored a competition showcasing the best engineering improvements from 12 different categories from additive manufacturing to motion controls. The LEAP program (Leadership in Engineering Achievement Program) takes submitted designs and has an independent judging panel of 12 engineers and academic professionals review each product and each category and assign a score.



This year, Ogura submitted the new cobot friendly torque limiting holding brake and was awarded bronze in the mechanical division.

This year's results were held virtually, but the hope is next year that the award ceremony will take place in person. ●



Ogura wins bronze award in the mechanical division

OGURA HAS A MONSTER SHOWING

Louisville, KY

For this year's Equip Exposition (f/k/a GIE Expo), Bobby Cleveland, world famous lawnmower racer, debuted his monster truck (based upon the design of a Snapper lawn tractor) in Ogura's outdoor booth. Bobby has been racing lawnmowers since 1975 and holds the world record for the fastest speed ever achieved on a lawnmower, (Other records have since been set, but those are more go carts than lawnmowers). Also, in the outside booth was Chuck Miller, who is also a legendary hall of fame lawnmower racer. Both Chuck and Bobby showed off their BP class racing lawnmowers that finished first and second at the 2021 Lawnmower Racing Championships in Wamic, Oregon. Both drivers were available to answer questions from fans and fellow lawnmower racing enthusiasts at Ogura's outdoor booth.

Anytime Bobby started the 900 hp monster truck, it received a lot of attention from the expo attendees.

Overall, the show had record attendance and was extremely busy both outside and indoors.

Ogura personnel showed landscape professionals the reference materials available for them to service and install electromagnetic PTO clutches. Actual cutaways, samples, and videos with animations were on display at Ogura's booth. Single page reference sheets with installation and troubleshooting tips were also handed out to booth visitors and of course, many also left with a pair of the famous Ogura sunglasses. ●



Ogura staff and sales reps in front of the monster

Ogura Sales Rep Profile

MARK EISENHAUR
CANNER ASSOCIATES, INC.

My name is Mark Eisenhaur. I am with Canner Associates, Inc. Canner was founded in 1961 and we have been faithfully representing manufacturers here in the six New England states of Maine, New Hampshire, Massachusetts, Vermont, Connecticut, and Rhode Island since 1961.



Mark Eisenhaur

We have been proudly representing Ogura here since 2012. Our territory here in New England is not geographically large but it is very diverse in our application base. We apply Ogura products to everything from semiconductor robots to lobster trap haulers to Ogura superchargers for fuel cells. I enjoy the diversity of our region as it keeps us on our toes with both Ogura product and my curiosity to see how various products are manufactured.

I graduated from Maine Maritime Academy with a degree in Marine Engineering. For five years I sailed on merchant vessels as an engineer. Travelling to all parts of the globe. My favorite places to have visited are Brazil and Denmark. While I have not travelled to Japan yet, I look forward to visiting there some day. I live in Maine with my wife Colleen. We have three grown children; Chloe, Liam, and Nolan. I spend my time away from work either traveling, golfing, cycling on my Peloton, or doing home projects.●

MR. OGURA IN OLYMPIC TORCH RELAY

Tokyo, Japan

Because of COVID, the Olympic games of 2020 were postponed until 2021. For the Olympic torch relay, Mr. Yasuhiro Ogura had been selected to run in the torch relay, however because of COVID regulations limiting crowds, the torch relay was passed between participants in a closed setting.

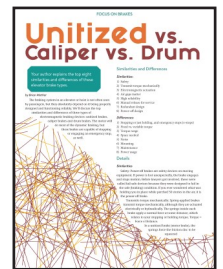
Either way, running on the road or in a closed ceremony, it was a great honor for Mr. Ogura to be chosen for this once in a lifetime experience.●

OGURA IN ELEVATOR WORLD

Elevator World Magazine

In the November 2021 issue of Elevator World, Ogura Industrial's Sales Manager, Brian Mather, wrote a feature describing both the similarities and the differences used in elevator brakes. The article featured the different types of puck brakes that are used both internally and externally on elevator drums and also reviewed the different types of shaft brakes (caliper, disk) and talked about the requirements for redundant braking systems in elevators.

Visit Ogura's website to view the full article.●



*Article in
Elevator World*

ARIENS 2021 DEALER SUMMIT

Ogura continues to be recognized by The Ariens Company as one of their key suppliers. During The Ariens 2021 Dealer Summit this past September, Ogura was presented with The Ariens' Supplier Performance Award. Due to the challenges of 2020 / 2021, only a few of Ariens' suppliers were recognized by Ariens for commendable performance – Ogura was one of them. This award is given to Ariens' key suppliers based on meeting a level of points achieved throughout the year for successfully meeting and surpassing the expectations of quality, delivery, cost / value, technical support, innovation, and overall relationship. Ogura also attended the Dealer Summit Meetings, interacted with all Ariens team members, and supported The Ariens dealers while participating in the Ariens Supplier Expo.●



*Larry Weimers,
Nick Ariens, and
Pat Weller of Ariens.
Louie Bernabei and
Tim Malinowski
of Ogura*

Application Story

It's a dirty business, but someone has to do it!!

HydraMaster is a leading manufacturer of powerful truck mounted, Ogura Clutch driven, carpet cleaning equipment. These systems provide for a safer, more secure, and quieter operation as they can be operated with the van doors closed. With the HydraMaster Ogura Clutch Drive System (O)CDS, a second drive shaft is installed through the firewall of Chevy Express or GMC Savannah cargo vans and uses the power from the van engine to power the vacuum blower and solution pump of the truckmount. The Ogura MA-MG05-VM clutch is a key integral part of making this system work.

For the 2021 model year, HydraMaster was presented with a new challenge. GM made the decision to switch from a 6.0l liter gasoline engine to a 6.6-liter engine. This major change meant that the front-end kit to power this second drive shaft had to be completely reconfigured. In addition, due to customer improved performance demand for this new System, HydraMaster decided to install a larger higher torque vacuum/suction system. The Ogura MA-MG05-VM provided a proven, yet more powerful torque in this power transfer process.

One of the things that makes the Ogura clutch as part of this system unique is the way that truck-mounts operate. Due to increased power demand on the vacuum blower, as the cleaning technician moves from short pile carpet to a longer pile carpet to cleaning hard surfaces, there is a great deal of fluctuation in power demand, not a steady demand. In addition, the cleaning technician uses wet passes to clean the carpet or hard surface, but then often takes extra dry passes to extract the water from the carpet or floor that was put down to reduce drying times. This on again, off-again demand is something unique to the pressure and vacuum demands of a truck-mounted cleaning plant. Simple trigger controls are used to this clutch for power on or power off.



MA-MG05-VM Installed

The MA-MG05-VM clutch is a high torque (237 NM, 175 Ft. Lbs.) dual flux, shaft mounted clutch with a robust, rotor and armature design. The fully encapsulated coil and high temp bearing lube is ideally suited for the rough under hood environment found in today's massive work trucks and vans. In their application, this custom clutch mounts in the engine compartment and the clutch rotor is driven by the engines accessory drives 6 groove poly "V" belt. The clutch bore is connected to a long drive shaft, supported by bearings and universal joints (see image). This drive shaft then is routed through the Vans fire wall and into the cargo area. The shaft

then powers the Roots Blower and water pump systems directly as needed.

The ability of Ogura's clutch to cycle frequently as demanded by the customer without excessive heat or wear, makes this clutch ideal for this application.

The result is the introduction of the new HydraMaster (Ogura) Clutch Drive System the CDS 4.8SV, the most powerful direct drive truckmount built in their 36-year history. With the Ogura heavy duty MA-MG05-VM clutch running the show, we are bound to clean everything better than ever before! You can learn more about this incredible cleaning machine by visiting www.hydramaster.com ●



CDS 4.8 SV Installed



Ogura in the News

OGURA RELEASES NEW WEBSITE DESIGN

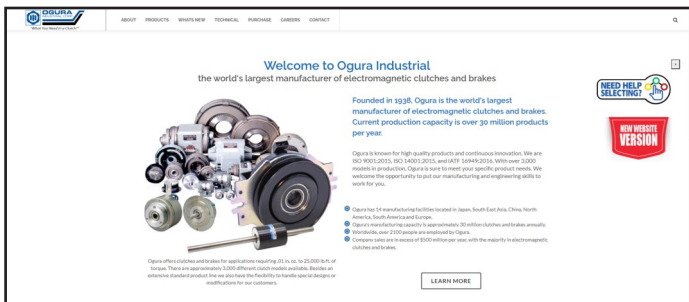
Somerset, NJ

Effective November 2021, the latest version of Ogura's website was released. This new version is more mobile friendly and has more dynamic content. Easier navigation screens will help visitors find the information they are looking for faster, and by providing all related product information (dimensions, animations, installation videos, etc. on one page), visitors will be able to access what they need without having to pull up other screens. If there is something that you cannot find on the new site, or you require any other information, please feel free to contact us at oguranj@ogura-clutch.com.

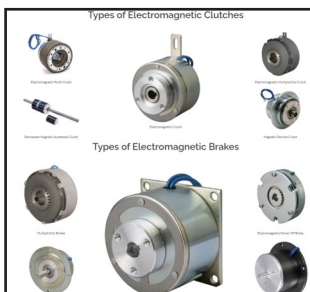
FEATURED PRODUCT RELEASES CONTINUED FOR 2022

Somerset, NJ

In 2021, Ogura started releasing weekly troubleshooting and maintenance tips along with featured product highlights to Ogura's customers. These will be continued to be sent out on a weekly basis. These email releases give either a short video (around 20 seconds) or link to Ogura's website to help customers with either service or design. If you are not yet on the list to receive these important tips, please contact oguranj@ogura-clutch.com.



Pages from Ogura's new website



Some of Ogura's troubleshooting tips
and featured product releases