

7 Reasons Major Gear Company Chose Nercon



Change is good at Nercon.

Nercon Engineering and Manufacturing recently partnered with NORD Gear to incorporate new motor/reducer drive packages into Nercon conveying systems. There are at least 7 different reasons why Nercon made the change to NORD; all of them good. The conversion to NORD impacts Nercon customers in a positive way by offering the ability to withstand a variety of harsh environments, provide greater sanitation benefits, offer more flexibility at installation, provide a more robust motor design, reduce labor, offer faster delivery, and provide an extended warranty.

1

Harsh Environments? Bring It On!

"Anything you see on the shelves at Walmart can be packaged using a Nercon conveyor system," said Mike Weickert, Vice President of R & D at Nercon. "Food & Beverage, Health & Beauty, Household Cleaning Supplies, Pharmaceuticals - you name it. These products are manufactured and packaged in harsh environments that require chemical wash-downs and can cause corrosion, chips, flakes, scratches, and other blemishes to reducers and motors. The conversion to NORD reducers eliminates corrosion worries."

NORD utilizes an electrically catalyzed process to create a uniform case depth protective surface with its existing aluminum alloy housing material. Combined with a sealer, NORD's corrosion-resistant cleanable Sealed Surface Conversion system (NSDtupH) allows existing aluminum alloy housing to be protected with a base finish that is 6 to 7 times harder than aluminum alloy and up to 1000 times harder than paint. "The NORD finish essentially provides the corrosive resistance properties of stainless steel without the excessive cost," said Brad Hofmeyer, Owner of Herrington PT, the manufacturer's rep agency that facilitated the NORD conversion for Nercon. "We happily pass that cost savings on to our partners at Nercon."

2

Extensive Sanitation Testing.

After a full year of sanitation testing, there were no adverse effects to the NORD NSD^{up}H finish. "Testing included a 100° to 120° F water rinse, foaming the units with Ecolab® Quorum® Yellow LP followed by a heavy duty Acid LC-30 foam," added Hofmeyer. "The reducers had a contact time of 10 to 30 minutes per cycle with each sanitation solution used. Finally, they were rinsed with 100° to 120° F water at high pressure and sprayed with Ecolab® Vortex® (0.26% concentration)." In addition, NORD's smooth reducer body features no cavities which offers greater sanitation benefits as well.

3

Greater Flexibility.

"Nercon is always interested in providing options that offer greater flexibility for our customers," said Weickert. By converting from a solid shaft to a hollow shaft with a universal mounting position, there's more flexibility at assembly and installation. With the old solid shaft, Nercon could make no modifications. "The hollow shaft enables us to modify for right hand or left hand use using the same parts," added Weickert. "Our clients can re-configure the conveyor line, too, if they need."

4

Robust Design - NOT a Gear Motor.

Unlike other motors that are integral to the reducer to form one unit, NORD's C-Face motor and reducer are bolted together. As two separate units, they perform independently of one another. "In the unlikely event that the motor fails, simply replace the motor. There's no adverse effect on the reducer," said Hofmeyer. "With gear motors, if the motor fails, the motor can be more complex to replace causing additional downtime and potential waste."

NORD's C-Face reducers also feature over-sized output bearings and high quality seals in the input of the unit so they don't leak. This reinforces the robust motor design. The NORD standard design features an input shaft bearing and splined motor coupling. According to Weickert "The input bearing and splined coupling design is vastly superior to a Quill input, which relies on the motor's bearing to support the input gear of the reducer. Since converting to NORD, we have eliminated input seal leaks."

5

Fill & Forget.

With one fill level for every orientation, lube levels do not need to be changed when orientation changes. "The NORD design requires no maintenance to check oil fill levels. The unit is pre-filled at the factory with food grade synthetic oil," said Weickert. "It's a great labor reduction feature. You don't have to keep track of special reducers just due to oil fill levels."

6

Speedy Delivery.

Not only is NORD an industry leader in timely deliveries, Nercon now stocks NORD reducers to guarantee inventory of the product. The difference to Nercon customers? Now Nercon offers same day shipment vs. 3-7 day delivery times of the past.

7

Double the Warranty!

When dealing with superior design components, warranties come into play. "With the conversion to NORD, Nercon can now extend motor warranties by 1 to 2 years depending on the lubricant that is used with it," stated Weickert. "If a synthetic lubricant is used, we can offer a warranty of up to 3 years. Our old warranty was just 1 year."