



Precision electro mechanical

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When you call or drop by Precision Electro-Mechanical, you'll most likely be dealing with Jonas Taillon, the General Manager in the shop. Jonas is a recent graduate of the University of Saskatchewan's school of Mechanical Engineering. He knows the background of the Precision business inside out. He'll be there to hear out the motor issue you're having, guide your job through the shop, and make sure the solution we have leaves you nothing short of satisfied.

Located in the north industrial of Saskatoon, Precision Electro-Mechanical has been selling and servicing electric motors and pumps for some of Saskatchewan's largest industrial businesses and municipalities since 2003.

Founded by Marc and Marianne Taillon, the business started in a modest-size shop. Since then, it has remained a family-owned business, undergoing three major expansions and more than quadrupling its footprint to serve more customers and take on the toughest jobs.

Having worked for 17 years in the potash industry, Marc developed a passion for electric motors and how proper predictive maintenance, including vibration analysis and repair, could save thousands of dollars and reduce downtime for major operations. As President & CEO of the company, Marc still uses this knowledge today to get customers the right solutions.

When your motor fails or needs a fix, we take care of it. In fact, it's our specialty. We do AC rewinds and DC cleanup, random and form wound coil motors, and even motor redesigns to upgrade horsepower, speed, or voltage change on an existing unit.

As part of our rigorous quality control process, we load test our motor repairs using the latest state-of-the-art technology. In our shop, that means load testing on our regenerative dynamometer, which can produce up to 87% of the power we need to run the motor under load, reducing waste and returning clean electricity back to the power grid.

We have access to a CNC Milling Center with 4th axis, CNC and manual lathe turning and a horizontal boring mill. We also have a FARO arm to ensure proper measurement of bearing housing alignment, and a high-quality precise fit for our repair.

Whether it's simple or complex projects, we can do them all. We can fabricate internal and external splines, and even custom make metal parts and components that can be expensive and difficult to find.

We also do in-house dynamic balancing on rotating components in motors, like fans, rotors, armatures, and impellers; up to 40,000 lbs. We can multiplane balance with in-house and fixed bearing capabilities,



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always with high exacting ISO tolerance standards.

It's often said that an ounce of prevention is worth a pound of cure – that's true as ever in maintaining electric motors. Predictive maintenance can save you thousands in downtime and repair costs.

We can help diagnose an issue and test on-site, conducting laser alignment and vibration analysis to get the real story on what might be happening before it becomes a big problem. Even balancing, cutting and welding can occasionally be done on-site.

We're one of the highest volume distributors of new WEG motors in Canada. With a large in-house inventory of WEG motors, accessories, and drives, if we don't have it, we can get it. And if you need another brand or make of motor, we can get that too.

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