

Running Smoothly

How Standex Edge took incomplete product specifications to a 1,050% production increase in 10 months.





The Mission

A leader in industrial automation approached Standex Edge with a two-pronged challenge. Not only was the client's linear motor design not entirely finished — but they had an extremely aggressive delivery schedule to meet. An adequate solution would require significant expertise and adaptability.

Over the next five years, 25% of the industrial sector's capital investments will target automated manufacturing systems. With the demand for efficient industrial automation on the rise, facilities need to ensure their equipment will be capable of keeping production running smoothly. A partner like Standex Edge not only produces tailored reliable transformers, inductors, and chokes, but helps customers build out production strategies that keep pace with growing demands.

In this particular case, Standex Edge not only needed to address the pressing design problems but simultaneously ramp up for large-scale production.

The Answer



The goals were clear. Finalize the magnetic design. Increase staffing by 5X and ramp up production by 1,050%. Here's how Standex Edge made it happen.



In-Person Collaboration = Greater Peace of Mind

Standex Edge welcomes clients for in-person meetings — something this smart manufacturing specialist readily took the Standex Edge team up on.

Their engineers frequently visited the Standex Edge offices to discuss design tweaks and run fit checks on updated housing layouts.

The ability to make collaborative changes on the fly made the client feel that their challenging time frame was achievable.

Flexibility to Meet Changing Design Specifications

Since the final product was still in progress, the client needed to make changes to the envelope during engineering work on the transformer. Standex needed to adapt swiftly so their design would clear screw holes and other fittings in the housing.

Driving a 1,050% Increase in Production Volume

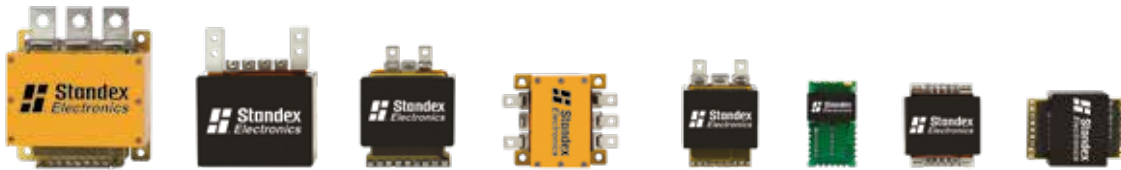
Increasing production volume was the crown jewel of the mission. The client was making a couple hundred units a week of the original design — and needed to ramp up to 450 per day of the new unit. Standex managed the end-to-end setup of the new production program:

- Purchased new equipment.
- Changed over to a cellular manufacturing system to strategically place machines, materials, and staff.
- Attended open houses and hiring fairs to find the right people to train and grow an 8-person team to over 40+ within a single month.

Accelerating Turnaround Times with Automated Testing

Standex reoutfitted test fixtures to run rapid analysis on the new transformer.

To meet the challenging production schedule, they turned to several automations, like Voltech®, to test multiple windings across several parameters far more quickly than manual procedures.



3 advantages of partnering with Standex Edge for your industrial automation power transfer and sensing needs.

A Focus on Customization:

Each project that comes our way is one of a kind, and we approach it with that mindset. We never just rely on a standard catalog; instead, we create components that are tailored precisely to match your project's unique needs.

No Challenge is Out of Reach:

Some of the proposals that come across our desk are accompanied by deadlines many would say are out of the question. At Standex Edge, even against the tightest timeline, custom is always the standard.

Leading Insulation System Knowledge:

Strict UL/IEC standards establish the criteria for safety, dependability, and efficiency in electrical goods. We're proficient not only in meeting, but surpassing these international benchmarks, guaranteeing that your product is secure from risks.



A Standex **Electronics** Business

The pathway to usable electrical power begins with generation, continues through high-voltage transmission to urban and industrial centers, and extends to the distribution of lower-voltage electricity to businesses and homes, where it's ultimately consumed in countless applications.

At the **Edge** of this energy cycle, Standex Electronics engineers open up a virtually infinite range of possibilities to power the world's most demanding electrical devices. From concept to production, we deliver custom magnetic solutions that convert, condition, and control energy with precision and reliability.

Our expertise spans transformers, inductors, current sensors, and other advanced magnetic components used across industries, from automotive and industrial to medical and aerospace. Combining decades of engineering innovation with global manufacturing capabilities, Standex Electronics stands at the **Edge** of innovation, where energy meets possibility.

Welcome to **Standex Edge**.

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