



Hammond Power  
Solutions Inc.

your *first*  
source for  
transformers



## Our Capabilities

*Other HPS Products*



[www.hammondpowersolutions.com](http://www.hammondpowersolutions.com)

# Our Capabilities



## OUR COMPANY

Hammond Power Solutions Inc. (HPS) was established in 1917 in Guelph, Ontario and has grown from a small family owned business in the short wave radio market, to the industry leader in magnetic transformer design and manufacturing the broadest range of products.

With multiple manufacturing facilities and distribution centers located throughout North America, Mexico, and Europe; it allows us to meet our customers needs with shorter lead times, same day shipments, and custom products.



## OUR MISSION

We are a growing and profitable supplier of transformers and related magnetic products dedicated to satisfying the collective needs of our shareholders, customers, suppliers, employees and community.

## OUR VISION

To be the leader in our industry by delivering:

- Lead times as defined by our markets
- A broad range of products
- Quality in all that we do
- Technical expertise
- Consistently strong financial performance

## OUR VALUES

- We value honesty, integrity and ethical behavior in our relationships with all stakeholders.
- We value innovation and a relentless pursuit of continuous improvement in all our processes.
- We value timely decisions based on facts and knowledge.
- We value a team-oriented approach.
- We value the personal safety of all stakeholders.
- We believe in treating all stakeholders with dignity and respect.



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## STANDARD PRODUCTS

Our catalogs offer thousands of standard transformers from 25VA to 5MVA.

- Control Transformers
  - Encapsulated Machine Tool Industrial
  - Industrial Open Core & Coil
- Buck-Boost Transformers
- General Purpose Enclosed Transformers
- Line Reactors and DV/DT Filters
- Energy Efficient Distribution Transformers
  - General Purpose
  - K-Factor
  - Harmonic Mitigating
- Drive Isolation Transformers (Energy Efficient Option)
- Autotransformers
- Encapsulated Transformers
  - Commercial Encapsulated
  - Encapsulated Transformers for Hazardous Locations
- Medium Voltage Distribution (Power) Transformers (Energy Efficient Option)



## CUSTOM PRODUCTS

- We are one of the industry's most technically capable manufacturer's producing the broadest and most competitive range of custom dry-type transformers and related magnetic products
- We design to your specifications in days instead of weeks or months
- Offer custom designs are from 10VA - 34MVA and up to 46,000 volts
- Offer custom air core and iron reactors up to 2500 amps
- Custom Transformers include:
  - Cyclonconverters
  - Excitation Transformers
  - Rectifier Duty Transformers
  - Traction Duty Transformers
  - Mining Duty Excavator Transformers
  - Large Indoor/Outdoor Current Limiting Air-Core Reactors
  - 12, 18, and 24 Multi-Pulse Drive/Inverter Duty Transformers



# Our Capabilities



## SALES

Our sales team is ready for your enquiries. No matter where you are located, in Canada or the United States, someone knowledgeable is close by to support you. We have technically capable quotation staff located in multiple locations, who are trained in helping find a solution to your specification and deliver the required quotation quickly.

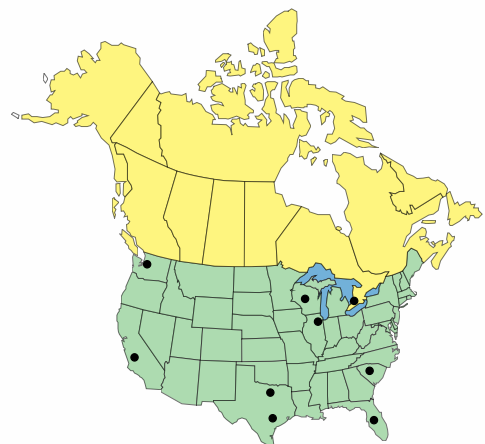


## QUOTATIONS

- Located in Guelph, Ontario and Baraboo, Wisconsin.
- Technically trained staff available to help provide solutions for your specifications.
- Modern quotations programs allow most quotation requests to be completed in less than 24 hours.

## CUSTOMER SERVICE

HPS customer service personnel are dedicated to providing the information you need as quickly as possible. Our teams are technically trained and are able to answer most questions over the phone. Stock checks, expediting, quotations or technical information are always readily available. Our commitment to customer service means you will be an informed and satisfied customer.



- Warehouses

## DELIVERY

Our vision is to meet the lead times defined by our markets. Our E-systems, engineering capabilities and multiple manufacturing locations have enabled HPS to have some of the shortest lead times in the industry. We can deliver special transformers in as little as one week. In addition to our quick deliveries, HPS stocks a broad selection of standard control, potted, reactor and distribution products.



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## E-SYSTEMS

In addition to our fully staffed customer service centers, HPS is committed to providing the most innovative and helpful online E-systems to assist you in making your transformer selection simple. HPS has partnered with SiMAN, a single sign-on site, that provides users with access to multiple electronic product/pricing websites using a single password.

## E-QUOTES

For our strategic and partner customers we have developed an online services system to provide 24 hours, 7 days a week access to:

- Check stock and pricing
- Specify and quote standard or custom products
- Shipping status information
- Nameplate and product specification data
- Instant access to the HPS database

## WEB SITE - [www.hammondpowersolutions.com](http://www.hammondpowersolutions.com)

Our web site includes:

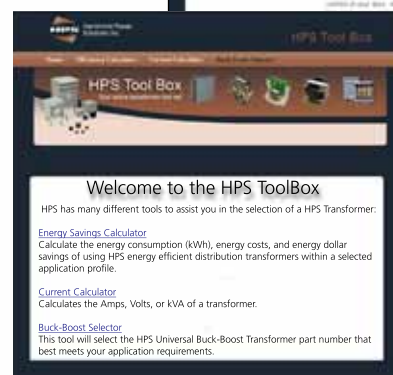
- Easy access to HPS product line information
- Literature available electronically
- News and Announcements
- Career Opportunities
- Sales Rep Locator

## HPS ACADEMY - [www.hpsacademy.com](http://www.hpsacademy.com)

An interactive online training site that allows you to participate in HPS training modules on your own time (24 hours a day, 7 days a week), right from the comfort of your desk.

## HPS TOOL BOX - [www.hpstoolbox.com](http://www.hpstoolbox.com)

Selecting an HPS transformer is now only a click away with tools such as an Energy Savings Calculator, Current Calculator, and a Buck-Boost Selector.



# Our Capabilities



## ENGINEERING CAPABILITIES

HPS's engineering services are located throughout all our manufacturing facilities. Our designs are cost effective and our transformers are built with modern manufacturing techniques. We particularly emphasize our 'Value Added Engineering' whereby our design staff will interface with your team to produce the optimum solution. Our fully computerized design and CAD facilities permit quick and effective communication when time is vital.



## ENGINEERING

- Over 3000 custom designs are engineered and built every year.
- HPS has designed over 250,000 designs in over 90 years of business.
- We have over 30 engineers and technicians designing exactly what you need.
- HPS's engineering staff all have the latest software enabling them to assist with the development of designs. These include:
  - Solid Works® (3D Modeling)
  - AutoCAD®
  - P Spice® electrical simulation

## MATERIALS & PROCESSES

A wide range selection of standard materials and processes are available, which provide the most cost effective and rugged designs.

- High grade electrical steel laminations
- Windings are available in copper or aluminum
- High performance impregnation processes - VPI, Epoxy
- BIL ranges from 10 kV to 250 kV
- Enclosures for indoor, outdoor and harsh environments such as mining and marine duty
- Step lap mitred cores
- Disk or barrel wound coils



## QUALITY

HPS has been regarded for quality since its very inception. With our commitment to 'Excellence' and 'Continuous Improvement', we build value and reliability into every HPS product.

No other transformer company can offer our flexibility for service and quality in a full range of products.

## QUALITY ASSURANCE

- All facilities have implemented a quality management system based on ISO 9001:2008, with Guelph, Ontario; Granby, QC; and Monterrey, Mexico facilities having certification to this quality standard.
- Our units are designed to meet ANSI, CSA, UL, IEC, ABS and NEMA standards required by our customers.
- With our commitment to 'Excellence' and 'Continuous Improvement', we build value and reliability into every product.
- HPS stands behind its quality with warranties on both standard and special products.

## TESTING

HPS has testing facilities in all manufacturing locations to ensure product quality.

These testing capabilities include:

- Heat Run
- Ratio, Polarity
- Partial Discharge
- Induced Voltage Test
- Sound Level
- Transformer Losses
- (Hi Pot) Applied Power Frequency Voltage Test
- EMF
- BIL
- Insulation Resistance
- Inductance, Resistance
- Harmonic Test Bench: can test transformer efficiencies with non-linear loads up to K-Factor 20



# Our Capabilities



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