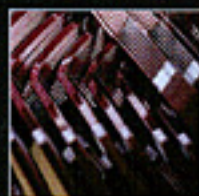


Advanced Coil Manufacturing For The Global Community



Swiger Coil Systems

Swiger Mission

...To achieve our mission, we will give our customers exactly what they want, at the time they want it, at a price they are willing to pay, which also rewards our company for the value we add.

A Total Resource

Swiger manufactures electric coils and rewind kits for replacement and OEM markets anywhere in the world. (Coils categorized on back page.)

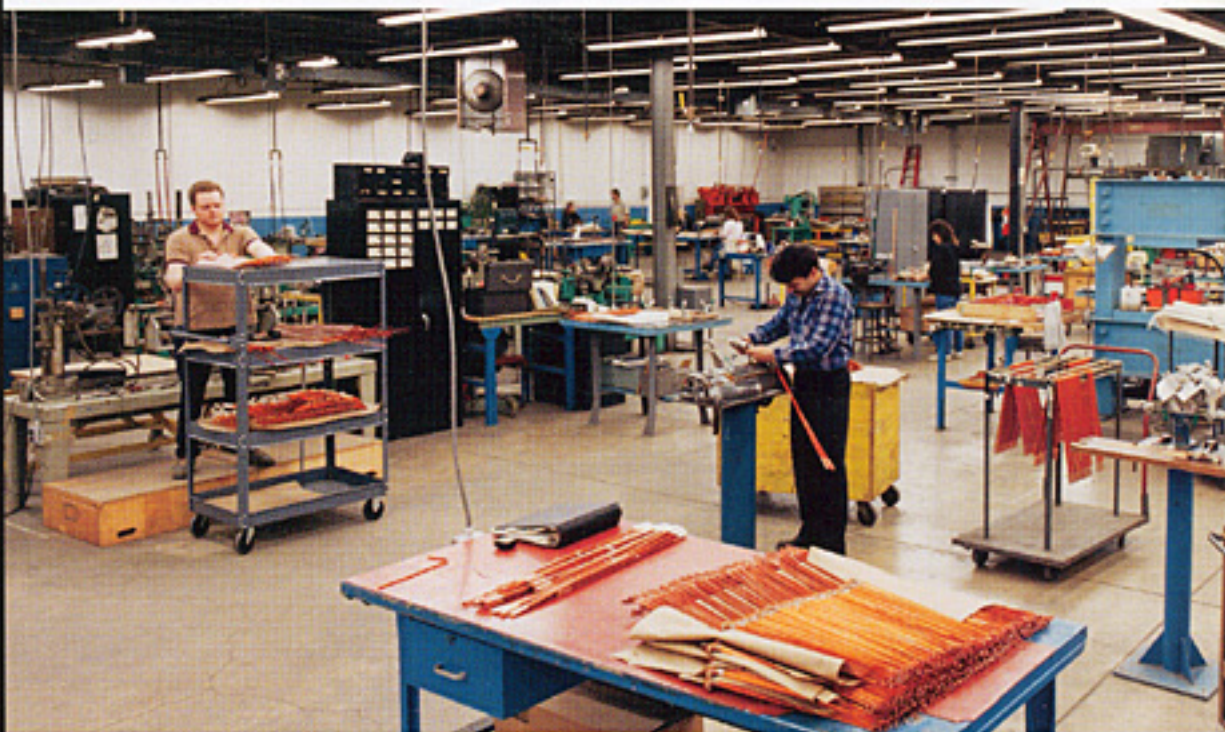
Our growing 80,000sf operation, housed in two neighboring facilities, offers total resource capability. Each shop contains state-of-the-art equipment and a trained work force.

Within this environment, quality is not negotiable. Solid engineering skills and an ISO 9002 certified Quality System assure you of the highest quality and perfect fit.



Beyond product, Swiger is distinguished by service and on-time delivery. Same day quotes and 24-hour technical consulting are only two of the benefits in Swiger's customer-focused programs.

As Swiger enters its second quarter century of manufacturing, we are, more than ever, positioned to fulfill your coil needs.



One ...or One Thousand Coils

Technology-intensive manufacturing departments are staged to produce one custom coil or one thousand stock coils, whether armature, stator, field, edgewound, or speciality.

Data and Sample Banks

Swiger has built an extensive data base and coil sample bank over its first quarter-century.



For specific installations, Swiger Engineering can develop innovative solutions to problem applications or increased power requirements.

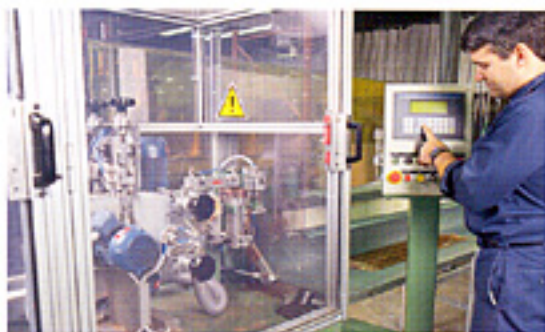
Reverse Engineering

Engineering and electrical talent, along with CAD/CAM, are the cornerstones for out-of-manufacture coils and parts. Swiger is known for these projects, particularly in transit and narrow-gauge railroad.

Swiger Quality Through Advanced Technology and A Committed Work Force

Armature and Stator Coils

Armature and stator coil departments utilize computer driven and automated equipment wherever possible, enhancing uniform quality while improving delivery.



Electronically-controlled equipment automates three manual processes --- straightening, cleaning, and cutting --- into one operation for armature wire preparation.



Stator coil looping machines reduce manufacturing turn-around, and contribute to precision forming.



Taping machines accelerate what was once totally a hand operation.

Clean Room Testing

Electrical and dimensional tests are performed in a clean room environment. Electrical tests include voltage, surge, resistance, and ground. Dimensional checks include digital monitoring of coil mechanical properties and coil fitting in mock-up forms.

Wire integrity and dimensional measurements are conducted upon receipt.



Cross-sectional channel fixtures are essential for accurate high-voltage hi-pot readings.

Steel mock-up forms, seated on a granite table, assure coil fit.



Field Coil Efficiency

Field coils and edgewound coils are housed in separate departments, designed specifically so their manufacturing processes provide cost efficiencies and outstanding turn-around.



Computerized winding machines provide fast winding and precise dimensional integrity for many types of layer wound coils.



Field coil winding machines combine insulation and wire winding into one operation.

Dimensional checks are conducted throughout edgewound field coil production.



Secure and Prompt Shipping

Coils are encapsulated in foam to prevent damage during transit. The lading bill is faxed or e-mailed to you the day your order ships.



Stator Coils

Any AC stator coil to 7,200v is available with Class F or Class H insulations. Special insulations, sealed systems or VPI are options, as are custom insulations engineered for specific upgrades or severe operating conditions. Swiger has a standing reputation for precise slot fit and easy winding.



coils and
brake and
magnet
coils.

Armature Coils

Armature coils of all forms, including swage leads (paddle coils), are manufactured to your exact specifications. Class F and Class H insulations are available. Custom insulations are designed for problem applications and may utilize sealed or VPI systems.



Remanufactured Edgewound Field Coils

Swiger can remanufacture your edgewound field coils, saving time and materials.



Field Coils

Field windings --- series, compound, shunt, and edgewound, along with interpoles --- are available with Class F or Class H insulations. Custom insulations and epoxy VPI are options for high heat or wet applications.



Edgewound Field Coils

Swiger manufactures edgewound field coils, from inches to over 10 feet, utilizing a custom designed and engineered press. The press precisely fabricates edgewound wire in thicknesses from .030 and widths to over 4 inches. Coils can weigh thousands of pounds and are used in DC motors, and AC synchronous motors and generators, including water wheels.



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