H. E. Orr Company

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METAL FINISHING TOUCHES

H. E. Orr Adds Women-Owned Business Certification

H. E. Orr Company Adds Women-Owned Business Certification from the WBENC to its existing Certified ISO/ TS 16949 and ISO 14001 Designations

H.E. Orr Company is pleased to announce it has earned certification from the Women's Business Enterprise National Council (WBENC) as a woman-owned business. Orr is thriving as a Tier One automotive parts supplier to some of the largest automakers in the business by integrating design-to-delivery services to reduce costs for customers with one-stop transportation and billing efficiencies.

Donna J. Garman, majority owner and CEO of H. E. Orr Company since 2006 and co-owner since 1993, sums up the new certification, "Since many manufacturers seek out women-owned businesses, this certification definitely adds additional market opportunities. The WBENC certification will help get us to the table. Once we're there, we're confident our reputation, competitive pricing and quality will earn the business."

The WBENC, founded in 1997, is the largest third-party certifier of businesses owned, controlled, and operated by women in the United States. WBENC, a national 501(c)(3) non-profit, works with 14 Regional Partner Organizations to provide its national standard of certification to women-owned businesses throughout the country. WBENC is also the nation's leading advocate of women-owned businesses as suppliers to America's corporations.

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H. E. Orr Adds Women-Owned Business Certification

H.E. Orr Company is Certified ISO/TS 16949 and ISO 14001

ISO/TS 16949

The global automotive industry demands world class levels of product quality, productivity and competitiveness as well as continual improvement. To achieve this goal many vehicle manufacturers insist that suppliers adhere to strict technical specifications laid out in a quality management standard for suppliers to the automotive sector, known as ISO/TS 16949.

Donna Garman, CEO

ISO/TS 16949 is an ISO technical specification which aligns existing automotive quality system standards within the global automotive industry. It specifies the quality system requirements for the design/development, production, installation and servicing of automotive-related products.

ISO 14001

ISO 14001 addresses various aspects of environmental management including: labeling, performance evaluation, life cycle analysis, communication and auditing.

An environmental management system meeting the requirements of ISO 14001:2004 is a management tool enabling an organization of any size or type to:

- Identify and control the environmental impact of its activities, products or services
- Continually improve its environmental performance
- Implement a systematic approach to setting environmental standards, achieve these goals and demonstrate that they are met

"Simply meeting standards and acquiring certifications is not enough," states Greg Johnson, president of H.E. Orr. "Exceeding expectations to provide our customers with a competitive edge is our goal. We continue to make investments in new technology and equipment to meet existing customer requirements and expand into new markets."

Orr's in-house salt-spray testing facility saves customers time and money over outsourcing these services.

The 53-year old company that started as a small forging operation now produces well over five million parts annually and offers:

- CATIA and Auto CAD design
- Wire Forming
- Electro-coating
- Powder Coating
- Sub Assembly/Final Assembly

Wire Forming

Wire formed parts are manufactured either on a dedicated bender or on a series of punch presses. Orr can accommodate solid or tube steel from 6 to 12 mm in diameter. If the size and scope of the specified part makes a dedicated bender more cost-effective, the engineering and tooling team works with a local preferred supplier to build the equipment to specification. If the volume is smaller, a punch press and tooling system is often more cost-effective. H.E. Orr is a one-stop supplier that manufactures OEM parts from concept to a finished condition wire form.

E-Coating and Powder Coating on One Production Line

Orr's coating operation is one of the few in the United States to combine e-coating and powder coating on one production line, thus reducing labor costs for re-racking and transportation. They utilize an eight-stage zinc phosphate pre-treatment process. Zinc phosphate is the automotive industry standard for preparation prior to painting.

In-House Salt Spray Test Facility

An in-house salt spray test facility allows hands-on quality control for a service that is often outsourced by other coating operations. Depending on the metals coated and the process used, Orr's team of engineers, technicians and quality control experts work with customers to establish a coating system that meets requirements for salt spray test hours.

Both Garman and Johnson travel frequently domestically and internationally to research the latest technologies in CNC equipment, color application and paint resins to stay ahead of trends and prepare for the integration of new technology.

"We are constantly looking for ways to grow in underserved niches and keep a competitive edge with new technologies. We have several ideas we're evaluating that may be implemented in the coming months," Garman concluded.

Form and Function

Parts are e-coated and powder coated in one process.

Electro-coating drastically reduces waste, improves performance and has little to no harmful VOC out-gassing.

Electro-coating and Power Coating are Eco-friendly

Let the Coating Experts at H.E. Orr Company Help you Meet and Exceed the Tough Environmental Standards of Today

OEMs put coating suppliers through their paces. They demand excellent corrosion protection with faster turnarounds, new technologies to reduce costs—all while keeping quality high. As governmental environmental standards become more stringent, eco-friendly processes with a minimum of waste are even more attractive.

Regardless of what is driving the decision to go green, responsible corporations know that "green is good" and take steps to install environmentally friendly processes when possible and practical. Did you know that electro-coating and powder coating are two of the most eco-friendly choices you can make for metal finishing?

E-coating: Excellent Corrosion Protection and Eco-Friendly

Unlike typical paint products and other liquid coatings, e-coating uses no solvents. There is virtually no harmful VOC (Volatile Organic Compound) out-gassing into the environment from an electro-coating plant. This not only makes the work environment healthier, but it minimizes the impact on the environment to help OEMs add to their list of environmentally friendly processes.

Traditional liquid and spray painting causes considerable overspray that is difficult, if not impossible to collect and recycle. In e-coating paint resins are suspended in a chemical bath that is mostly water. There is no overspray and almost no waste. Even as the parts are rinsed, the excess resins are reclaimed and recycled into the electro-coat bath—a closed system.

Part of being green is making products last longer. E-coating delivers better corrosion protection than conventional paint because its charged-particle, full-immersion process coats the surface of parts on a molecular level that is far more thorough than spraying.

E-coating is exceptional for complex products. It conforms to multifaceted parts and maintains designed specifications of coating thickness without runs or drips. This is especially valuable for coating the inside surfaces of parts, deep recesses, weld marks and fasteners. More parts within spec translate to less waste as well.

Powder Coating: A Hard, Durable Finish that is Easy on the Environment

As with e-coating, powder coating is also an eco-friendly choice for corrosion protection. Powder coating is applied as a free-flowing, dry powder. The main difference between a conventional liquid paint and a powder coating is the powder coating does not require a solvent to keep the binder and filler parts in a liquid suspension form. The coating is applied electrostatically and is then cured under heat to

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Form and Function cont.

allow it to flow and form a "skin" over the part.

Powder coating is free of VOC out-gassing making it much easier on the environment than liquid paints. The powder overspray can be collected and reused. Plus disposal of unusable powder is very simple.

Powder coating is considerably more durable than liquid paints providing longer corrosion protection to extend the useful life of coated parts. Powder coated surfaces are also much more resistant to chipping, scratching, and damage in general because the finish is thicker and oven cured. It is also more resistant to natural fade and wear. It is a uniform coating that has virtually no inconsistency along a parts surface or from one part to the next. Powder coating leaves a smooth finish with no runs, drips, or sags.

The bottom line is both powder coating and e-coating are environmentally friendly processes that deliver uniform coating which is beautiful in appearance and superior in durability.

Talk to your representative at H.E. Orr Company to discover how these processes can help your company meet the tough environmental standards of today's original equipment manufacturers.

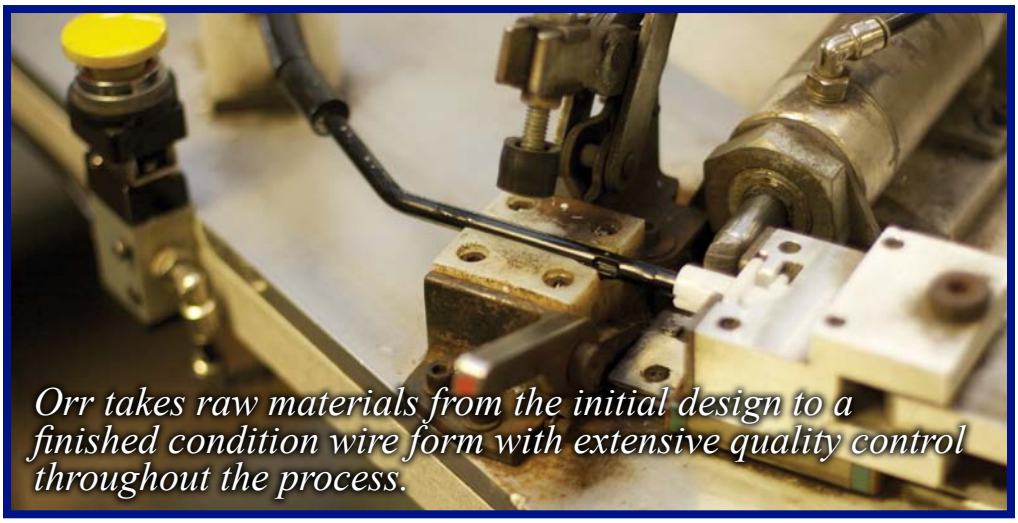
On The Inside

H.E. Orr Company Moving Towards Certification by the Powder Coating Institute

H.E. Orr Company is moving towards the Powder Coating Institute's (PCI) prestigious PCI Certification 3000 Program. PCI certification is a third party evaluation of the business practices, process elements, equipment capabilities, employee competencies and quality control capabilities of a coater to produce a high quality powder coated product with excellent customer satisfaction.

"PCI Certification demonstrates to OEMs that our powder coating capabilities are more than sufficient to meet their specifications," states Donna Garman, CEO of H.E. Orr. "This Certification basically tells prospective customers what our current customers already know – that H.E. Orr delivers a consistently high quality product."

Greg Johnson, president of H.E. Orr added, "It really boils down to confidence. The PCI Certification, along with our existing ISO/TS 16949 and ISO 14001 certifications, tells new OEMs that we can be trusted to deliver what we promise. OEMs want quality parts, on time and at the best price. That's exactly what we provide."



Orr takes raw materials from the initial design to a finished condition wire form with extensive quality control throughout the process.

PCI Certification covers:

- Pretreatment
- Ovens and Curing
- Application Areas
- Quality Control
- Training
- Maintenance
- Customer Satisfaction
- Safety
- Process Control
- Quoting and Warranty Policies
- Incoming Quality Control
- Loading, Unloading and Packaging

Certification Process Summary

PCI Certifiers take pretreatment samples to confirm that they are adequate to remove materials and soils typical for the parts being cleaned. The entire process is evaluated to ensure that proper records are kept and testing verifies satisfactory results.

Ovens are evaluated for temperature controls, heat balance, cleanliness and proper curing. Even the burner filters are checked for proper maintenance. The application area must be clean with all guns in proper working order. Details of equipment conditions and maintenance along with sources of compressed air, collection systems, hoses and many other processes are substantiated. Rigorous and detailed maintenance is required and employees must be properly trained and equipped for the work.

Final quality inspections with everything from manuals, original prototypes, and racking systems are scrutinized. Details from the temperature of the finished parts to the staging area are examined. The entire process is audited by PCI Certification each year to insure the standards are met.

"The PCI Certification process is rigorous and very detailed," Johnson said. "But all this attention to detail is something we do each day as part of our routine. The bottom line is the PCI Certification means we are being recognized for the high level our teams perform at every day."

Services and Contacts

Founded in 1957, The H.E. Orr Company is a world-class organization with a reputation built on superior quality, on-time delivery, competitive pricing and technical expertise. H.E. Orr practices cellular manufacturing utilizing the best of both past and state-of-the art technology:

- E-Coat Painting
- Wire Forming
- Cold forming
- Metallurgical lab
- Coordinate Measuring Machine
- Powder Coating - Top coat
- Hot upset forging
- Wire drawing
- CAD/CAM

A diverse product line serving the automotive, agricultural and a variety of other industries.

- Wheel Wrenches
- Accessory Tools
- Tillage Tools
- Automotive Tool-kits
- Hoot Stay Assembly

Key Contacts:

Donna Garman, CEO
Greg Johnson, President
Shawn Hull, Plant Engineer

H.E. Orr meets customer specific needs with personal attention

Quality control and testing of the E-coat bath

Wire Forming Hood stays for major auto manufacturers

Photos by Erika Pease Photography

Donna J. Garman, CEO

H.E. Orr is owned and led by CEO Donna J. Garman. Donna is planning for the future of H.E. Orr by making constant improvements to the processes and new market niches to fill. "We're committed to providing exceptional customer service along with the highest quality coating," states Garman. We have an excellent team in place and we are well positioned for growth," she concludes.

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Member of Powder Coating Institute

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