

# Despatch

*where temperature is a technology*



**Despatch Industries** designs and manufactures a full line of tight tolerance, high performance industrial and clean process ovens, furnaces, and environmental chambers. Founded in 1902, we have extensive experience in designing, manufacturing, installing, and servicing the high-quality, reliable products our customers have come to expect from an industry leader.

We design quality into every product we manufacture through an emphasis on up-front engineering, and we maintain rigorous quality standards throughout the entire manufacturing and delivery process. Our focus on quality and product design ensures that Despatch provides the best total value to our customers.

## Despatch Expertise

- Continuous process/product improvement
- Tight tolerance applications
- Complex, high risk or high volume processing

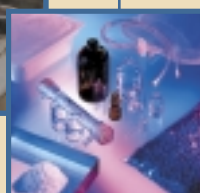
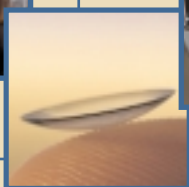
Knowing your business is our business. In today's ever-changing marketplace, we're committed to innovation in the electronics, health care, metals, and materials industries, as well as other high-growth clean process and industrial markets. Our technical professionals work to support your industry's unique needs, including tight time to market demands and fast delivery requirements. Our staff is known for its high level of customer focus and responsiveness – whether we're providing a first-of-its-kind process or extending existing technology.

Despatch employs more than 300 people at our two facilities in Minnesota and throughout our worldwide sales and support network. On-site capabilities include a world-class manufacturing facility for fabrication, assembly, integration, and testing, with a class 1000 clean room facility for final manufacturing and testing. Despatch follows innovative and exacting engineering processes to provide customers with complete design capability and software development.

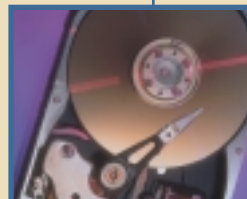


## applications

**Healthcare:**  
Pharmaceutical  
Medical  
Testing/  
Development



**Electronics:**  
Data storage  
Semiconductor  
Electronic  
Components

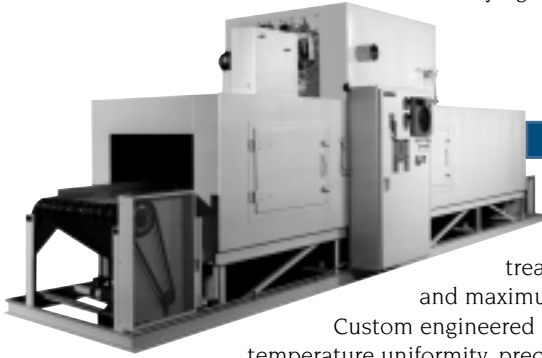


## Batch Ovens

Despatch manufactures a wide variety of batch ovens, including standard and custom bench-top, reach-in, walk-in and ultra-clean process ovens. They are designed for process-critical production applications that demand exceptional temperature control and uniformity, as well as laboratory and development applications that require flexible controls to develop processes and test parameters. Bench-top models are available in sizes as small as one cubic foot, while walk-in models can be ordered all the way up to 2,200 cubic feet in size. All of our ovens are ergonomically designed, making it easier for users to operate controls and access materials and components inside the oven's chamber. And all Despatch products are built to the latest safety specifications and codes. Whether you're curing, bonding, sterilizing, aging or drying a few small parts or need to process thousands of large parts, we have a batch oven to meet your needs



Walk-In Oven



Continuous Oven

## Continuous Ovens

For high volume, repeatable thermal processing applications, our continuous ovens are designed to provide versatility, reliability, and consistency in pre-heating, curing, bonding, drying, sterilizing, and heat treating applications. Standard models offer conveyor widths from 18" to 36", and maximum temperatures to 454° C (850° F) with gas, steam or electric heat.

Custom engineered systems can be designed with multiple zone designs offering superior temperature uniformity, precise process control, and integrated material handling systems.

## Furnaces

Despatch is a leading supplier of high-performance standard and custom furnace systems for solution heat treating, aging, tempering, homogenizing, stress relieving and annealing aluminum. Our highly skilled engineers design total reliability into every furnace we produce – whether it's a standard sized model or custom designed especially for you. Our furnaces are available in drop-bottom, horizontal and car-bottom configurations.

Integrated systems feature quenchant management, full data acquisition and reporting systems, and a wide range of integrated material handling options.



Drop Bottom Solution Heat Treat Furnace

## Chambers

Superior temperature uniformity and process control make our custom high-performance burn-in and environmental chambers the first choice for companies in the electronics and other process-critical industries. Available in custom-engineered configurations, our chambers feature a wide range of atmosphere, temperature, pressure and humidity capabilities.

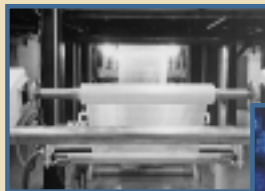


Burn-In Chamber

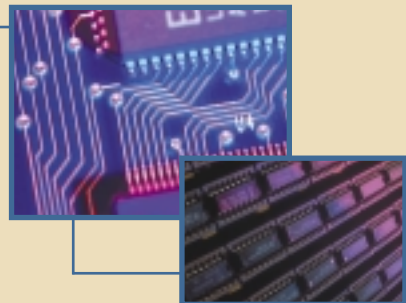
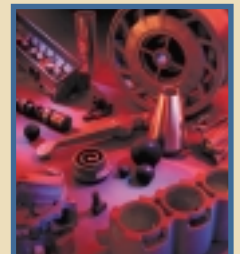
# Despatch

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**Materials:**  
Industrial Products  
Fibers/Composites



**Metals:**  
Aerospace  
Automotive



## Solutions at Work

The Despatch Innovation Center is designed to reduce your risk by testing and validating your process or concept - before the purchase commitment is made and the oven or furnace design begins.

Innovation Center Capabilities include:

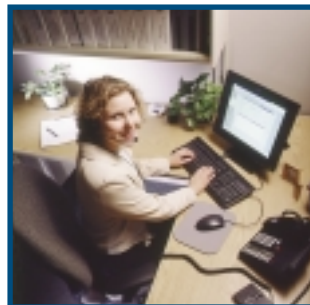
- Airflow simulation
- Coating and drying tests involving solvents
- Component evaluation
- Computer software development
- Data acquisition, plotting, and storage
- Device-to-device communication and control
- Electric circuit development and chip level programming
- Electronics testing
- Environmental simulation
- Equipment development
- Feasibility studies
- Gas flow analysis
- Heat processing up to 2,000°F
- Heat transfer simulation
- pH testing
- Particle measurement
- Process automation studies, including robotics software and hardware development
- Process simulation
- Product verification and testing
- Prototyping
- Sound level testing
- Static electric testing
- Thermal color video recording
- Vacuum testing
- Weighing



*Airflow testing of aluminum wheel in Despatch Innovation Center's unique multiflow test oven*

## An Exceptional Commitment to Service

When you choose a Despatch oven, you're not only acquiring the finest thermal processing equipment in the world, you're also gaining access to a world-class support system of parts and service that will keep your equipment operating at peak performance levels for decades to come. We maintain an extensive OEM parts inventory, offer same-day shipping and provide a one-year warranty on all replacement parts. Our worldwide network of fully trained service, startup, and installation personnel offer on-site maintenance and repair. Our toll-free tech support line offers person-to-person technical troubleshooting, and our web site gives you after-hours on-line assistance. Specialized, custom training programs also can help your operators get the most from your equipment. When it comes to service, you can rely on Despatch for the lifetime of your equipment.



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