



MARCRAFT[®]
PROCESS HEATING & COOLING



**YOU MAKE THE CHOICES,
YOU SPECIFY THE PERFORMANCE,
MARCRAFT DELIVERS!**

MarCraft® Full Custom HVAC Systems

EXCEEDING CUSTOMER EXPECTATIONS

MarCraft® Custom HVAC Systems are the perfect option for:

- Laboratories
- Food and beverage processing facilities
- Manufacturing facilities
- Retrofits with space critical applications
- Nuclear facilities
- High temperature applications
- Pharmaceutical facilities
- Hospitals
- Hotels and convention centers
- Universities and schools
- Government
- Libraries
- Airports
- Data centers
- Theaters



**MARCRRAFT,
YOUR CUSTOM
HVAC PARTNER**



MarCraft® Full Custom HVAC Systems provide customers with solutions to their needs by offering flexibility, choices, and any combination of construction materials, brands and component types, energy recovery, dehumidification, electrical/wiring and devices, environmental control packages, and in-house piping packages—all with available factory performance verification testing. MarCraft listens to what is wanted and needed, collects the necessary data, and analyzes performance expectations. This diligent process ensures that we provide a highly engineered custom product with exceptional quality and service both before and after the sale.

Hospital

St. Louis, MO

Features:

- 13 Air Handling Units
- 13 Recirculation Air Handling Units
- 42,000 CFM Supply Air, 14,000 CFM Min. OA for each AHU
- 34,000 CFM capability for each RAHU



Chocolate Factory

Hackettstown, NJ

Features:

- 2 Outdoor Air Handling Units
- Electrical/Piping Vestibule
- RTU-1 26,400 CFM Supply Air / 8,000 CFM Exhaust
- RTU-2 7,200 CFM Supply Air / 3,600 CFM Exhaust



Power Plant

Krško, Slovenia

Features:

- 2 Indoor Cooling Systems
- 40,000 CFM per system
- Chilled water cooling



Production Facility

Mehoopany, PA

Features:

- 2 Outdoor Rooftop Air Handling Units
- 125,000 CFM per system
- Chilled water cooling
- Reheat steam heating



WHAT MAKES MARCRAFT DIFFERENT?

MarCraft excels not just in selecting simple system configurations; we are the experts you come to for help solving problems with your HVAC system and creating solutions, no matter how custom.

A HISTORY OF INNOVATION AND QUALITY

MarCraft's HVAC roots date back to 1921. With an equipment life of 50+ years, the MarCraft System you purchase will be the only one needed during your career. MarCraft Custom HVAC Systems are built using the best technology available with our time-honored craftsmanship process, resulting in the highest quality product possible.

IT'S THE DETAILS THAT COUNT

MarCraft Custom HVAC Systems are proudly manufactured in St. Louis, MO. We take pride in our American-made equipment, which is reflected in our level of detail and quality. Our central location in the United States allows us to produce and ship equipment quickly and affordably to all areas of the US, Mexico, and Canada. As fuel and trucking costs greatly impact the total cost of any custom HVAC system, our central location positively affects the cost to you, the customer.



THE MARCRAFT® TOTAL SOLUTION®

With a full team of AWS-certified welders, highly skilled pipe fitters, NEC electricians, and graduate engineers, we offer our customers the ability to have their custom HVAC system arrive on-site ready to go. Our in-house piping and controls capabilities are second to none, providing our customers with the ability to save time and money on their projects.

MarCraft Custom HVAC products are available ETL® certified, giving our customers independent verification of safety and quality. Operating from our Missouri and Illinois manufacturing facilities, MarCraft's testing capabilities are unrivaled, ensuring safety and quality through the ETL® certification. Furthermore, our Missouri manufacturing plant is UL® certified for its Client Test Data Program. Through MarCraft's testing capabilities, our customers in North America are assured of full custom compliance with ANSI®, ETL®, UL®, CSA®, or other specified standards.

SYSTEM SPECIFICATIONS

- Design for any size requirement
- 2" – 4" wall and roof panels with intergral thermal breaks for greater thermal and acoustical performance
- Low leakage construction – less than 1% at 12" w.c.
- Washdown-rated for food manufacturing and other applications
- Internal floor pan with turned-up lip for water retention – no internal seals below floor pan lip to reduce any possible leaking of water into wall panel/insulation
- Stainless steel cooling coil frames safe-off walls & drain pans that extend coil life and promote IAQ
- Well-known component manufacturers used for easy service and parts availability
- Special materials of construction and/or coatings
- Chilled water/hot water/steam
- Indirect/Direct-Fired gas heating
- Single point power connection
- Full electrical distribution system
- Explosion proof and anti-spark systems
- Ultra-violet light systems
- Fully welded Structural Steel or Aluminum base frames
- Variety of filtration options, including critical applications with fully welded safe-off walls, Bag In / Bag Out style, etc.
- Service vestibules
- Custom multi-zone's hot deck/cold deck designs
- Custom Desiccant Dehumidification
- Integral "Plug and Play" controls packages that can tie into building control system
- Start-up/installation supervision
- Unit design and engineering assistance
- Energy Recovery - Plate Air-to-Air Heat Exchangers, Heat Pipes, Energy Recovery Wheels, Run-Around Recovery Loops
- Stringent sound criteria
- Fan arrays and redundant fans options with isolation dampers
- In-house full piping capabilities
- Fiberglass or foam insulation
- And Many More Custom Options!

WHY MARCRAFT?



ENGINEERING

From the first engineering design to system start-up, attention to detail is what separates MarCraft from the competition.



PERFORMANCE

MarCraft's team of technicians will ensure that your system is performing at its best before it ever gets to your location.



TESTING

Full factory testing is available for all MarCraft Systems, meaning the system can be tested before it arrives on site.



FULLY CUSTOM

MarCraft's custom units are designed to last longer, require less maintenance, deliver high efficiency, and free up more usable floor space in the building, making them the perfect solution for any project's unique needs.

DESIGN FLEXIBILITY

MarCraft offers design flexibility with our modular systems. Systems can be sectionalized for ease of installation (even designed to fit into freight elevators) or designed with custom aspect ratios and sizes to work within existing floor space / ceiling heights. This means you can avoid knock-down construction, reducing on-site efforts and saving costs.



IN-HOUSE CONTROLS

Our goal is to make controls a seamless addition to your overall project. This means we can provide controls of all types, whether DDC or PLC.

Do you need your unit to have a factory controller that integrates into a Building Management System?

No problem.

Do you need your specific controls installed before the unit arrives on site?

No problem.



IN-HOUSE PIPING

MarCraft provides custom-designed and manufactured piping solutions. We design piping systems with 3D modeling software to optimize layout and then fabricate the assemblies to make the installation of our systems much easier.



Since the 1970s, MarCraft Custom HVAC Systems has been a leading supplier of highly-custom HVAC equipment. MarCraft's engineers take a "blank sheet of paper" approach to creating mechanical solutions to its clients' wide range of challenging heating and cooling needs.

Here are some common applications:



Hospitals



Hotels



Universities



Laboratories



Manufacturing
Facilities



Retrofits with space
critical applications



Pharmaceutical
Facilities



Government



Libraries



Airports



Data Centers



Nuclear Facilities



Theaters



Food Processing



Museums



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A FEW MARCRAFT CUSTOMERS



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