



CMS

engineering **heat transfer** solutions



FACILITIES SURVEY

CMS

CMS Heat Transfer Division, Inc.
273 Knickerbocker Avenue
Bohemia, NY 11716

www.cmsheattransfer.com

email: info@cmsheattransfer.com

TEL: 631-968-0084 · FAX: 631-968-0184

CMS



MONARCH VMC-200

- 20 HP / 60 Station Tool Changer
- High-Pressure Coolant Through Spindle
- X Travel - 110" • Y Travel - 32" • Z Travel - 35"
- FANUC 11M Controller
- 4th Axis Rotary Table
- 3-DGraphics
- Renishaw MP9 Probe



DEVLEIG-BULLARD

46" CutMaster Model 75

- 30 HP Vertical Turret Lathe
- Pendant Control
- 60" Vertical Capacity
- 60" Diametrical Capacity
- 16 Speeds / Feeds

Also includes...

- Timemaster Engine Lathe 28" Swing
- Supermax Engine Lathe 24" Swing

DRILLING

- **AMERICAN HOLE WIZARD** (pictured)

7 1/2 HP / 60" Radial Arm

- **RABOMA**

5 HP / 48" Radial Arm

- **CINCINNATI BICKFORD**

3 1/2 HP / 48" Radial Arm

All of the above with high-pressure, center feed coolant.

TEST

- **10,000 PSI** Hydrostatic Test Stand
- **3,000 PSI** Pneumatic Actuated Hydro-Test Stand



EXPANDING

T.C. WILSON

- 1200 Series Electric Torque Control
- 500 Series Pneumatic Torque Control

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WELDING

(2) Miller 456 MP Power Supply

- 600 Amp Capacity/450 Amp 100% Duty Cycle
- 18 Program Digital Selector
- W/ 74s Four Wheel Drive Feeder & Coolmate 3 Water Cooled Torch Assembly

(1) Miller Dimension 302 Power Supply

- W/ 74s Four Wheel Drive Feeder & Coolmate 3 Water Cooled Torch Assembly

(3) Lincoln Square Wave TIG 175

- 175 Amp Capacity

(1) CK-WF3 Cold Wire Feeder



POSITIONING and CUTTING

- **KOKE-ARONSON** 8,000 lb Tank Turning Rolls
- **RANSOME** (pictured) 3,000 lb Welding Positioner
- **ESAB** Plasma Cutting System
- **WEBB** 18,000lb Tank Turning Rolls



MATERIAL HANDLING



YALE

- 14,000 Lb. Electric Fork Lift

CLARK

- 6,000 Lb. Fork Lift

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At CMS Industries we'll put our years of heat transfer "know-how" to work for you. In addition to sizing a shell & tube heat exchanger for your specific heat transfer needs, our engineers incorporate measures to insure ease of maintenance and longer equipment life - this equates to both smaller initial capital and maintenance costs over the years.

Code conformance and certification

Our products are engineered to meet rigid standards, and quality is always the first priority. Units can be provided in accordance with ASME Sect. VIII, Sect. V and Sect. IX of the Boiler and Pressure Vessel Code, TEMA, API, HEI, and 3A standards. In addition, our designs can incorporate all of your specifications to insure compliance with your plant standards.

Engineering support

It is our engineering department's primary goal to provide the best technical support required to solve your heat transfer problems. With the aid of state-of-the-art integrated software our engineers can rate and size the appropriate equipment for your application.

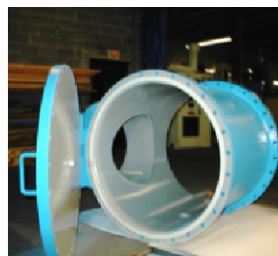
Mechanical design

Our products can be fabricated in a variety of materials including cupro-nickel, carbon and stainless steels and nickel alloys. Correct material selection will insure long life of the exchanger even in the most corrosive services. In addition, our engineers will incorporate the appropriate configuration in the design of your unit to insure ease of maintenance and the ability to withstand the most vigorous thermal and mechanical demands.

Process design

At CMS we have the expertise to solve all of your process heat transfer needs. With the use of state-of-the-art software, we can size and rate a shell and tube heat exchanger to your exact specifications. Single and two-phase-flows, liquid-to-liquid, single and multiple condensable in the presence of or absence of non-condensables, no process is too complex. Our engineers will provide the technical support to insure a proper design. It's like having a process engineer on staff.

Service beyond the expected



Experienced in all phases of heat exchange technologies

Shell and Tube Heat Exchangers

- Oil Coolers
- Fuel Oil Pre-Heaters
- Aftercoolers
- Steam Converters
- Condensers
- Kettles
- Thermo-Syphon Reboilers
- Falling Film Evaporators

For "Those Problems That Won't Go Away"

- Custom Design
- Process Design Support
- Design of All TEMA Configurations

For "Old Reliable"

- Replacement Bundles
- XLE Units
- Generator Coolers
- OEM Replacement Units
- Retubing & Reconditioning

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