



# CUSTOM ENGINEERING & FABRICATION, Inc.

**Your one-stop solution for non-stop success.**

## Turnkey Project Management:

From need to concept, drawing-board, installation and testing, Custom Engineering & Fabrication, Inc. (CE&F) is your one-stop source for manufacturing solutions.

CE&F designs, builds, installs and services equipment for manufacturers; from system revisions to complete plant layout and turnkey installations, standard or custom design. Our portfolio includes a wide range of solutions and services, such as:

- Material Handling Equipment Systems Design and Integration
- Custom Machine Design and Machine Repair
- Structural Engineering and Fabrication
- Electrical Panel Engineering and Building
- Foundry Equipment Engineering and Fabrication
- Millwright Services
- Engineering

The CE&F staff has over 120 years of combined engineering experience in the material-handling and foundry industries; adding value and exceeding your expectations is our goal. We test your turnkey system, when possible, in our well-equipped 35,000 square foot facility before installation to assure a smooth start-up. Using proven practices, skilled staff, and the highest quality components and materials, CE&F strives to deliver your equipment on time, every time.

## Material Handling Equipment Systems Design and Integration

### Conveyors

#### Overhead Conveyors

- Overhead monorail
- Overhead power and free

#### Bulk Material Handling

- Belt conveyors
- Bucket elevators
- Drag chain conveyors
- Screw conveyors
- Slat conveyors

#### Manufacturing Conveyors

- Powered roller conveyor
- Accumulation conveyor
- Gravity roller conveyor
- Hinged steel belt
- Power belt conveyor

### Ergonomic Assistance and Part Manipulation

- Balancers and manipulators
- Pick-n-place work cells

- Robotic work cells
- Work station cranes

### Process Controls

- Turnkey process controls

- Motion control
- PLC/SLC

- Touch screen systems
- Equipment interfacing

### Miscellaneous Material Handling

- Die handling
- Lift tables, tilt tables, turn tables
- Mezzanines and in-plant offices
- Palletizing

- Rack systems
- Transfer cars
- Electronic controls and data collection
- Totes, containers and dunnage
- Dock equipment

- Hoists
- Overhead cranes
- Jib cranes
- Custom mezzanines
- Pneumatic blow systems
- Fencing/guarding

Providing experienced engineering for a wide variety of industries

- Automotive
- Foundry
- Scrap Recycling
- Steel
- Glass
- Exterior Doors
- Foam
- Wood
- Asphalt
- Mineral Wool
- Paper

## Custom Machine Design and Machine Repair

- Custom machine design
- Machinery relocation and installation
- Custom ergonomic equipment
- Custom designed process equipment
- Coordinating the installation and interface with your existing equipment
- Material processing equipment
- Assembly equipment
- Process automation
- Robotic integration
- Machine rebuilding
- Dust collection systems
- Machine repair

## Structural Engineering and Fabrication

- Steel and equipment erection
- Large-capacity fabrication
- Equipment piping
- Custom stainless steel and aluminum fabrications
- Support platforms, equipment supports
- Millwright services
- Rotary drums
- Hoppers, chutes, tanks
- Fabrication, installation and maintenance
- Process piping
- Custom racks

## Electrical Panel Engineering and Building

- Field installation and wiring
- In-house testing
- Touch screen systems
- Installation and interfacing of controls to your existing equipment
- Motion control
- Training your staff on the new controls
- Equipment refurbishing
- Data collection systems
- PLC/SLC
- Process control systems
- Specialize in a variety of hardware components

## Foundry Equipment Engineering and Fabrication

- Thorough analysis of your requirements
- Achieving the most efficient flows of product through your facility
- Specialized services and equipment servicing
- Equipment interfacing
- Turnkey installations
- Sand handling systems
- Casting handling systems
- Rotary brush aerator
- Rotary sand screens
- Storage bins and hoppers
- Bucket elevators
- Mold handling systems
- Belt conveyors
- Service ring mullors
- New ring mullor controls

## Millwright Services

- Turnkey equipment installations
- Equipment relocations
- Equipment repair
- Small carry deck crane service
- Onsite fabricating
- Welding services

## Engineering

- Concepting/equipment layout
- Design/detailing
- Equipment integration
- Project management
- Pneumatic/hydraulic designing
- Process flow design

Member of the American Foundry Society (AFS)

Professional Engineer (PE) on CE&F Team

Ask for our Industrial Supply Catalog