

SOME OF OUR CUSTOMERS...

*US Steel
Arcelor/Mittal
ATI Allegheny Ludlum
AK Steel
Wheeling Pittsburgh Steel
Timet
DSC Ltd.
CSC Ltd.
Tuscaloosa Steel
Worthington Steel
Ipsco
Northeast Ohio Regional Sewer District
Englehart Moulding Corp.
Consol Energy
Precoat Metals
General Environmental Management (GEM)
Leveltek
Uhde Corporation
Goodyear Tire & Rubber Company
Avery Dennison
Six Flags
Monongahela Power
Alcan Aluminum
Commonwealth Aluminum
VM Star
North Star Steel
The Timken Company
Rajinder Steel*

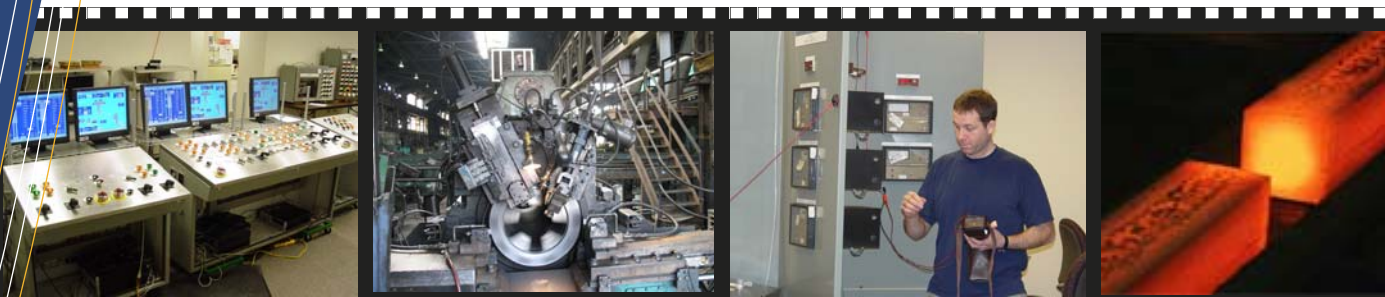
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Integrated Mill Systems, Inc.
Control Systems and Engineering

www.integratedmillsystems.com

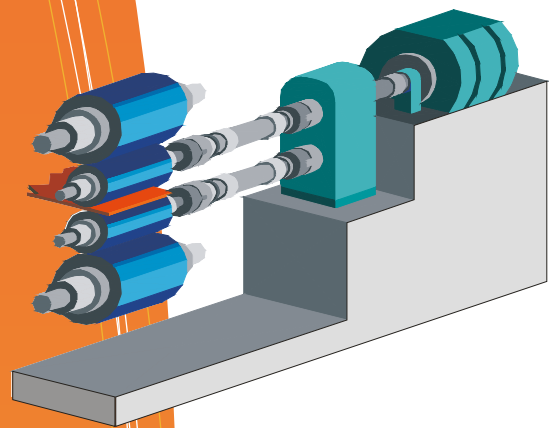


IMS

Integrated Mill Systems, Inc.

engineered **Solutions**

Control Systems
Engineering
Consulting
Installation
Commissioning



EXPERTISE IN METALS

- COKE MANUFACTURING
- BLAST FURNACES
- CONTINUOUS CASTING
- REHEAT FURNACES
- HOT AND COLD ROLLING
- PROCESS LINES
- PIPE PRODUCING (FORM TO FINISH)



OTHER EXPERIENCE

- COAL MINE CONVEYORS AND HOISTS
- WATER TREATMENT PLANTS
- POWER PLANTS
- FURNACE OIL INJECTION SYSTEMS
- AMUSEMENT PARK RIDES
- OIL PROCESSING FACILITIES

Know-how and commitment

APPLYING PROCESS KNOWLEDGE AND INVENTIVE DESIGNS

IMS is an engineering firm committed to providing reliable, high performance industrial control systems that are easily maintained by the customer. Our approach is to fully understand your manufacturing process and develop a system architecture that best fits the application using standard "off the shelf" products that seamlessly integrate with existing plant systems. We believe these principles separate us from standard "systems integrators".

Our staff of talented engineers and designers are skilled at developing practical and creative solutions. We are constantly looking for ways to improve your manufacturing process.

Maximize Yield
Minimize Downtime
Improve Quality

Doing the right thing the first time

OUR METHODS

IMS has developed and adheres to stringent practices that lead to vertical startups. This is especially important for the retrofit business, but also applies to new installations where systems must come online without a hitch.

The real key is to pay careful attention to details during the design phase of a project. Simply taking the time to develop design specifications goes a long way in defining "what" the system will do and "how" it does it. This, coupled with extensive factory testing and process simulations guarantees that the system meets customer expectations and ships bug-free.

SPECIALIZING IN RETROFITS

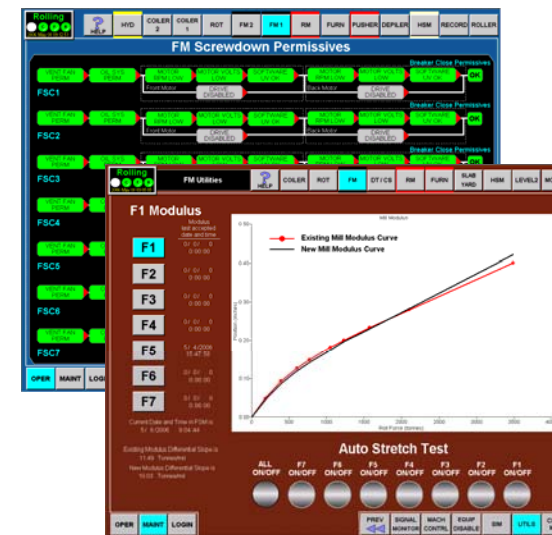
We have developed proven techniques to retrofitting existing systems with little or no disruption to normal operations. Our unique phase-in approaches can permit even a large scale upgrade - from installation through to commissioning - using regular maintenance downtimes.

IMS DESIGNS CONTROL SYSTEMS USING MODERN "OFF THE SHELF" PRODUCTS

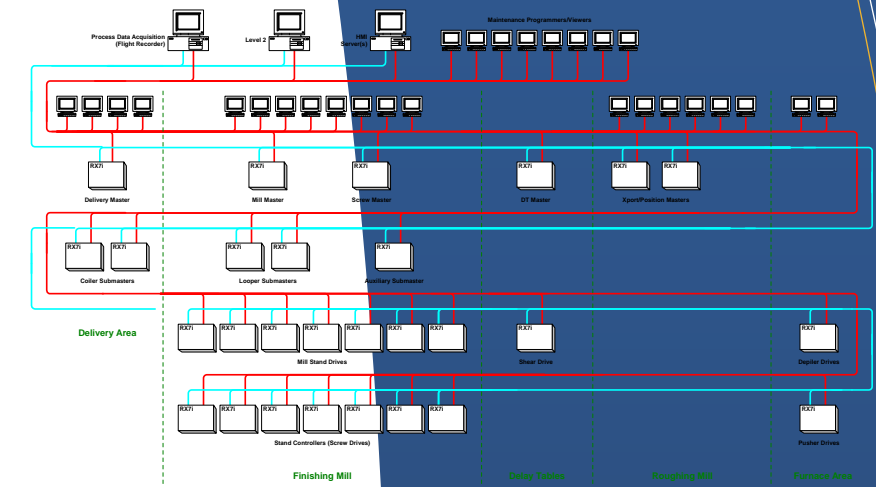
EMPHASIS ON SYSTEM DIAGNOSTICS

We design systems that can be maintained and self-diagnosed by the end user. Our HMI systems are uniquely built to highlight machine status at a glance by automatically displaying "smart permissives" that anticipate operator intentions based on

push-button attempts. Specialized "maintenance" screens also provide supplemental information tailored specifically to help identify and troubleshoot equipment failures, virtually eliminating the need for online connections to the PLC.

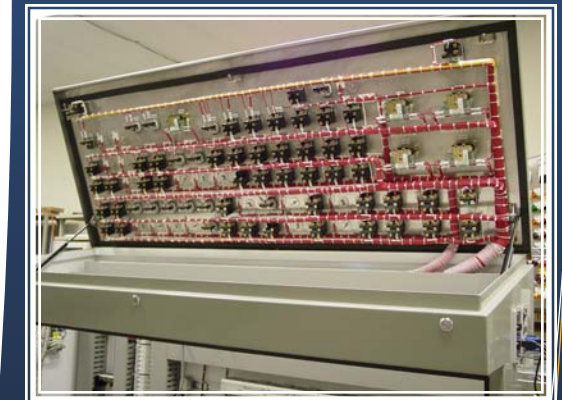


push-button attempts. Specialized "maintenance" screens also provide supplemental information tailored specifically to help identify and troubleshoot equipment failures, virtually eliminating the need for online connections to the PLC.



OUR CAPABILITIES

- FULLY ENGINEERED SYSTEMS
- IN-HOUSE DRAFTING AND ASSEMBLY
- COORDINATED DRIVE SYSTEMS
- INSTALLATION ENGINEERING
- COMMISSIONING SERVICES AND SUPPORT



CUSTOM PANEL SHOP

All of our systems are built and tested in-house under the strictest quality standards.

PRODUCT EXPERIENCE

IMS is proficient in nearly all control system products and drives that are widely accepted in today's industry.

- | | | |
|---|---|---|
| PLCs
Rockwell
GE Fanuc
Siemens
Modicon | HMI
RSView
GE Fanuc Proficy
Citect
CTC
Wonderware
Intellution
Simatic WinCC | DRIVES
Rockwell
ABB
Siemens
Avtron
GE
Emerson
Eurotherm |
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