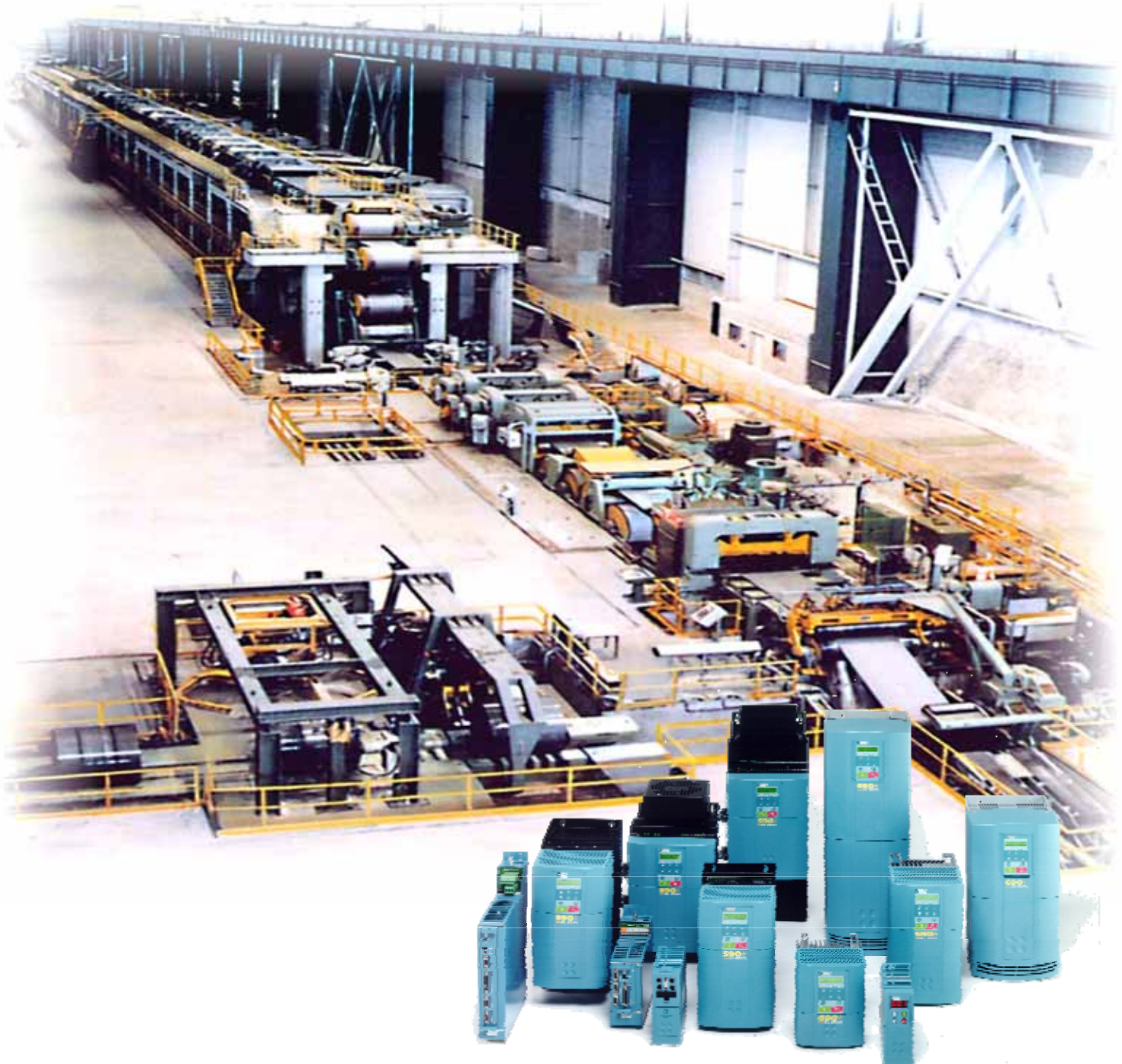


# Drives for the Metals Industry



AC DRIVES

DC DRIVES

SERVO DRIVES

MOTORS

DRIVE SYSTEMS



## Solving DRIVE APPLICATIONS for the **METALS INDUSTRY**

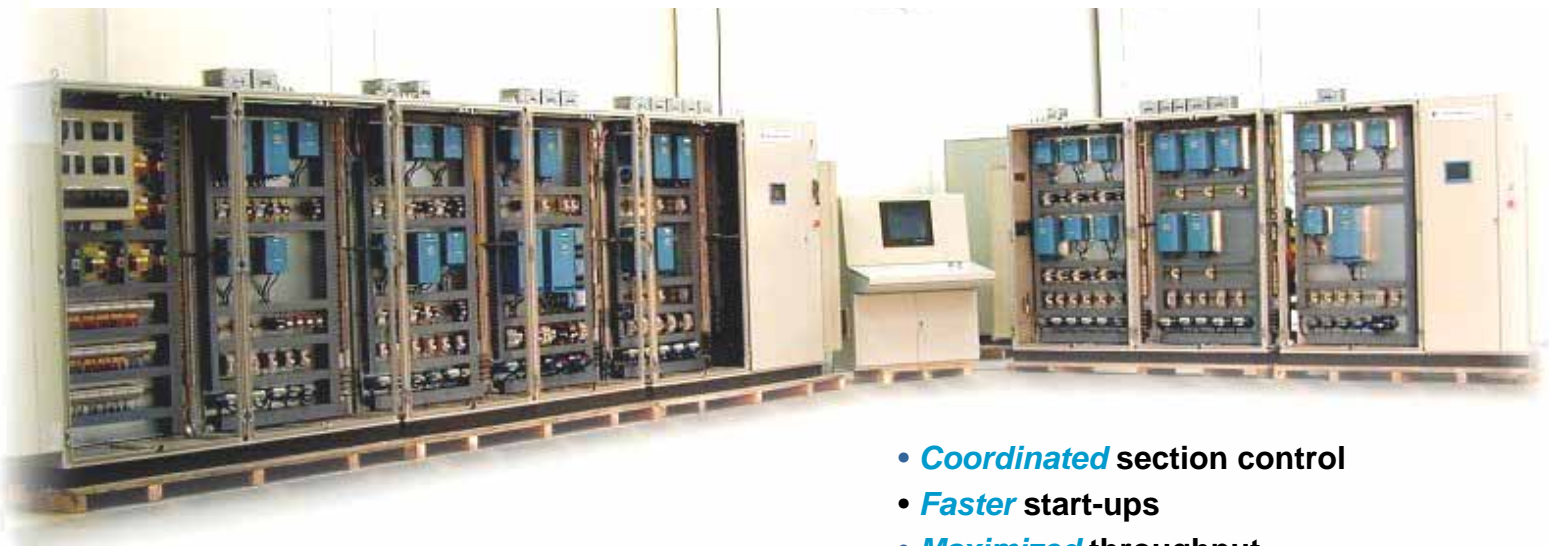
- Rolling Mills
- Run-out Tables
- Galvanizing Lines
- Annealing Lines
- Tube Mills
- Rod & Bar Mills
- Bar Straightener
- Slitting Lines
- Slab Cooling Beds
- Hot and Cold Saws



- Over 25 years manufacturing drives
- Drives specifically suited for metals
- Complete line of AC, DC and Servo drives

- Slab and Billet Casting
- Side Trimming
- Strip Processing Lines
- Coilers and Re-coilers
- Coating Lines
- Metal Finishing
- Pickling Lines
- Bridle Rolls
- Controlled Coil Cars
- Rotary Shearing

## SSD Drives Engineered Drive Systems



- **Coordinated** section control
- **Faster** start-ups
- **Maximized** throughput

# SSD integrator series drives AC or DC

... *your choice.*

**Integrator series** drives end the guesswork and confusion of which drive to use in any application. Whether it's AC or DC, **integrator series** drives share common hardware accessories such as keypads and communication cards, and have embedded the same powerful application macro blocks that make tackling your application easy.

## AC integrator 690+ series

### 3-in-1 Control

- Volt / Frequency control
- Sensorless Vector
- Flux Vector with encoder

Regenerative and Active-Front-End types

...to 1600 HP



## DC integrator 590+ series

- Hi-resolution analog I/O
- Regenerative and non-regenerative types
- Compact design

...to 2000 HP



common platforms  
= common options



- common keypad controls
- common communication techboxes
- common configuration software



Built-in metals application  
blocks and winder functions

- **Faster** line speeds
- **Precision** flying splices
- **Accurate** tension control



# AC890

## Complete Modular Drive Systems ...all from one vendor

A simple concept with an elegant implementation - MODULAR AC components that can be combined to form a complete common DC bus multi-section drive system, saving space, reducing wiring and providing unmatched system performance. **FireWire** peer-to-peer communications ensure real-time application performance. Other communications interfaces are available for all popular fieldbus protocols and PLC interfacing. SSD Drives **TS8000** HMI Touchscreens work seamlessly together with all system elements for total machine control.

### TS8000

#### HMI TouchScreens

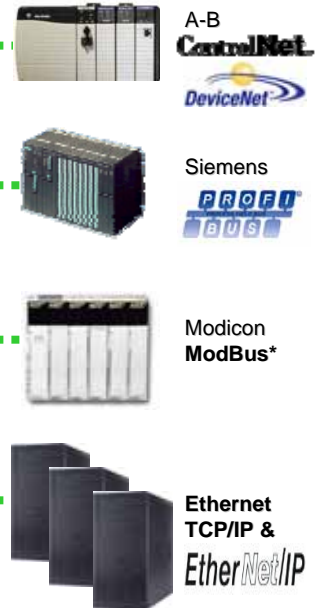


- 4 sizes: 3, 6, 8 and 10"
- On-board comms ports
  - Built-in Ethernet
  - Remote monitoring and control
  - Powerful graphic displays

### AC890 Drive System



#### Available Communications Modules\*



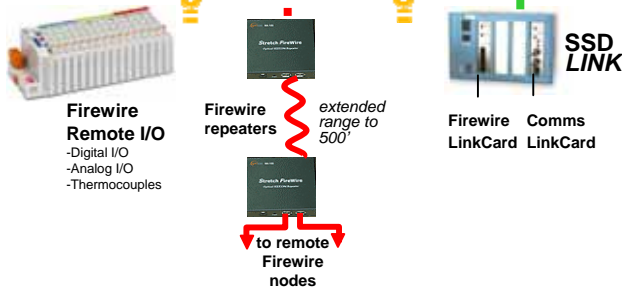
\* all trademark names and associated marks are owned by their respective companies

### Why Firewire?

As defined by IEEE 1394, **FireWire** delivers 400 Mbps performance, 3 orders of magnitude faster than most industrial serial buses and almost 1,000 times faster than other fieldbus networks.



**FireWire** supports full communications directly from node to node. By bypassing varying delays due to central processing loads, 1394 is fast and deterministic in node-to-node communications, enabling high-performance LINK VM embedded applications without any PC presence.



## WORLDWIDE SALES & SERVICE

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formerly  
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