

# REGENERATIVE DC DRIVES UPGRADE FOR STEEL INDUSTRY ROLL GRINDER

## *Three ABB DCS502 Drives - 5 HP, 30 HP & 50 HP for Headstock, Grinder & Carriage Traverse Applications*

### Overview

Roll grinders are used to refinish and shape rolls used to produce hot strip steel from ingots. To properly roll the steel, the surface must be free from imperfections and must have the correct crown. The rolling process tends to wear the steel roll in the center to a concave, rather than convex profile. Pits and "firecracks" are other imperfections that are produced during the process. These flaws are removed by the roll grinder.

Older roll grinding systems are usually controlled by DC variable speed drives and large DC motors. While the motors usually stand up quite well, the drives eventually become obsolete and troublesome. The older analog drives are also prone to drift and have setup problems not found in the new digital units.

Control your motors with the latest in DC digital drives. These drives have easy setup and parameter documentation as well as advanced programming and configuration that adapts to the requirements of your grinding process.



### Standard Items

- DC Digital motor drives featuring advanced diagnostics and setup
- Controlled field supply for above base speed operation
- Digital 110VAC configurable I/O to adapt to any existing control requirements
- Install into existing enclosure

### Optional Items

- Spare parts packages available
- Installation services available
- Other size drives available to customize your application.
- Other Customer-specified enhancements
- New Nema 12 enclosure available.
- Training by a qualified project engineer for operators and/or skilled trades personnel on equipment operation and maintenance

### How to Order

Call your friendly sales representative for a customized quote today!

*Delivery 5 weeks ARO Prices subject to change without notice*

### Features & Benefits

- **Update obsolete and hard-to-repair equipment** - *less equipment downtime*
- **Increased quality, repeatability, and production rates** - *save time and money*
- **Consolidate system documentation** - *easy to find records*
- **Eliminate high maintenance analog DC drives** - *increased uptime*
- **Ease fault diagnosis through use of on-board drives diagnostics**

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