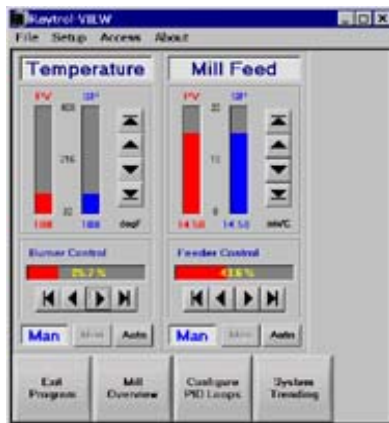
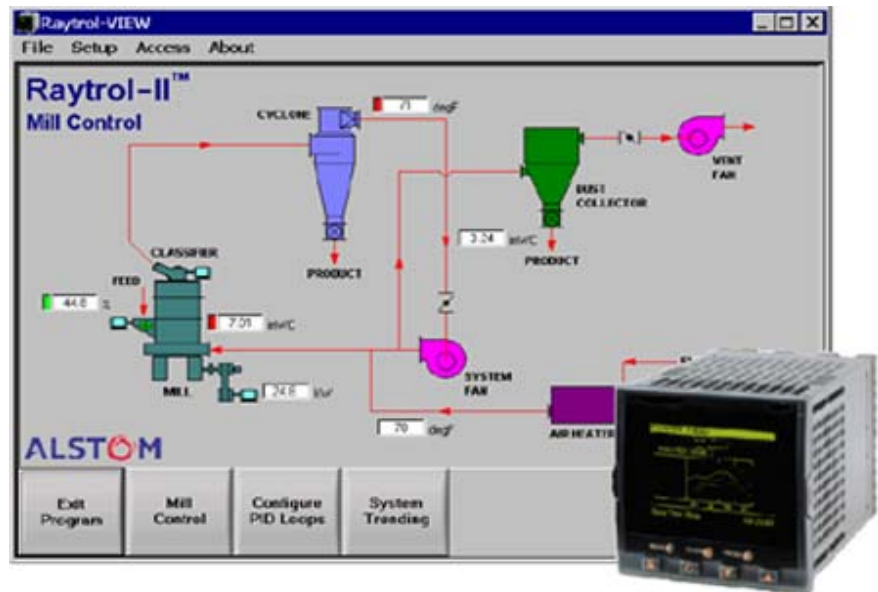


Raymond® Raytrol-II™ Control System

Today's Mill Control Technology in an Economical Package

Would you like to realize further efficiencies in your milling operation by adopting a new concept in and application of control technology? The Raytrol-II™ control system is the latest generation of milling system control packages and offers an up-to-date, economical solution for process optimization.

This multi-loop, highly stable controller can be provided to you pre-programmed or can be customized to address your specific application. Program modifications and upgrades can be provided off-line, and downloaded to the controller without disrupting normal operation of your milling system. The controller may be conveniently accessed either locally at a specially



designed panel in close proximity to the milling system, and/or remotely from a computer running Raytrol-VIEW software, provided with the system, located in a central control room.

The Raytrol-II™ controller's versatility and affordability positions this control system as an ideal solution to your process monitoring requirements in today's economic environment.

The Raytrol-II™ control system was developed to update and replace controls currently used for existing Raymond® Roller Mills and other Raymond® pulverizing systems, as well as to provide an up-to-date technological control package that can be supplied with new equipment. We would also be happy to work with you to apply this technology to other pulverizing systems.

The benefits of this new control system are:

- Improved process monitoring and data acquisition functionality at an affordable price
- Generation of network-accessible process information
- Availability of off-line and/or remote program modifications and upgrades with minimal disruption to production and current operations
- A Microsoft Windows-based human-machine interface, Raytrol-VIEW, provides a familiar and user-friendly environment, facilitating quick and easy learning



**Air Preheater Company
Raymond Operations**

Raymond® Roller Mill with Raytrol-II™ Control System



Raytrol-II™ Controller Features:

- High stability, high accuracy process controller
- Easy to read graphical user interface
- Trending capabilities
- Universal inputs
- Expandable I/O and PID control loops
- Easy to program via a PC
- Raytrol-VIEW software for remote access

Raytrol-VIEW Features:

- Remote mill control and monitoring
- Trending
- Data logging
- Historical data re-play
- Report generation
- Password protection of PID loop settings
- Multiple mill control capability (up to 10)
- Pre-programmed for roller mill, Imp™ mill pulverizing and calcining



Minimum System Requirements:

- IBM compatible PC (minimum CPU speed: 90MHz)
- Windows 9x or Windows XP operating system
- 128 MB memory
- 64 MB disk space

Options:

- Paperless recorder
- Additional analog I/O modules

We can provide you with:

- Complete replacement of existing controls
- Customized offering for system replacement
- Enhanced functionality over other available control systems



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