

FaceBoss 2.0 Automation Platform

As the demand for minerals increase, so does the effort required to extract these valuable commodities. This is driving mining to go deeper. At the same time, mine operators want to remove people from harm's way.

FaceBoss 2.0 is Komatsu's advanced automation platform. It enables the operator to manage and control the machine from a remote location, resulting in increased productivity and reduced operator exposure to harm.



Features and benefits

- Reduced complexity and improved availability
 - Updated hardware and software with greater reliability
- Advanced communications data integration between Joy machines
- Up to a 50% faster system boot-up time if power failure occurs or if system restart is required
- Enhanced data management
 - Provides additional JoySmart capabilities
 - Ability to store historical data
 - Ability to do high speed sampling
- Improved diagnostics and troubleshooting
 - Wireless communication with handheld devices
 - Permits troubleshooting while machine is operating
 - Base diagnostics can be displayed on the two-way remote control unit
- Supports high levels of automation and advanced sensors
- Enables new two-way radio communications

Two-way radio remote control

An addition to the Faceboss 2.0 family is a new two-way remote control. The remote control has been redesigned from the ground up to be more ergonomic and boasts two-way communications with a built-in screen to provide the operator with onboard fault finding, diagnostics, and productivity-related metrics.

The new remote will allow the operator to maneuver the equipment from a safer distance. Being farther away results from the desire to remove operators from the working face placing them “around the corner” in a location from which the machine can be remotely controlled. The new remote has an environmental rating of IP68 and MSHA, IECEx and ATEX approvals.



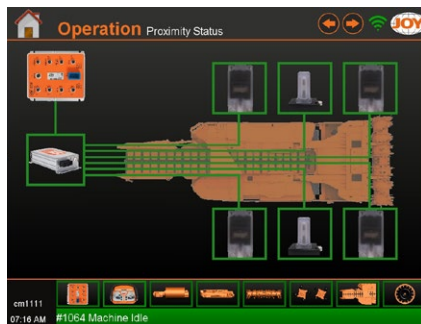
Faceboss 2.0 display screens



Traction status



Gathering head control flow



Operations proximity stats



Conveyor loads

Komatsu Mining Corp.

mining.komatsu



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