



Three Custom Easy Arms® Solve Safety and Productivity Problems for Matrix Drilling Products

Industry:
Mining

Product:
Drill Rods and In-Hole Tools

The Problem:
Operator fatigue and injuries

The Solution:
3 Gorbel Easy Arms® with custom rigid mast



Easy Arm® Allows Operators to pitch and articulate parts for precise placement

Matrix Drilling Products is a manufacturer of drill rods and in-hole tools for the gold and mineral mining industry. The work cell consists of six different areas in which the 85lb. Ingots are machined and threaded.

In the original application, operators were moving the heavy parts through the production process by hand. The parts are loaded into three different machine centers before moving to the final area of the work cell. The parts must be rotated and articulated into very precise positions, different for each machine, in order to load them properly. Workers attempting to perform this process by hand were required to grip and lift the heavy parts repeatedly all day. During the loading of the machines, workers had to pitch the parts up and down while trying to articulate them properly for the machine centers. During the unloading process, they were required to bend and reach into the machines in order to remove the slippery parts. The result was extreme operator fatigue and numerous injuries.

Three Gorbel Easy Arm Intelligent Lifting Devices. Two 165lb. systems were placed in the work cell along with a 330lb system that was equipped with a custom rigid mast for the reach in portion of the process.

Matrix is extremely happy with the system and the safety it provides. They were very impressed with how user friendly and easy to incorporate the system has been. Production is up, and worker fatigue and injuries are down. The operators love the Easy Arms and say they wouldn't do without them again.