



ORANGEREPORT

METALWORKING INDUSTRY

Lifting the Burden of Old-Fashioned Lifting Magnets



SAFEHOLD® APL SERIES PERMANENT LIFTING MAGNET

Problem:

Management at [Custom Engineering](#), a fabrication and machining company, realized that employees in the company's materials management crew were continually suffering from back injuries. To move heavy steel plates, operators were utilizing a manual-locking magnet suspended from an overhead crane. Employees were forced to reach across plates or climb on top of them to turn the magnet on or off. Plus, to activate this style of magnet, operators had to put their foot or hand on the magnet and pull back the attached lever, putting them at risk for injuries that could occur if the lever propelled back at them.

Solution:

Eriez recommended one of the company's [SafeHold® APL Series Permanent Lifting Magnets](#). SafeHold APL Series is ideal for loading and unloading steel sheets from burn tables or anywhere that limits operator access. These Magnets can lift and transfer steel and iron without slings, hooks or cables—and without marring the surface. They require fewer operators and turn on and off automatically.

Result:

Immediately after replacing the old magnet with the APL-154, Custom Engineering began to see an increase in production and a decrease in injuries. Besides reduced back pain, operators can also move scrap and parts more quickly. Due in part to the great success Custom Engineering experienced with the APL-154, the company decided to replace lifting magnets in other areas of their operation with Eriez Lifting Magnets as well.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment.

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