



Custom Magnets For Plate Lifting And Moving

TOP: This plate lifter was designed to increase production on a large laser table for a military contractor who makes armor plating parts. The plates being lifted are 24' x 8' with thicknesses ranging from 0.147" to 0.75". The plates will be lifted from a stack onto a cutting table one at a time without double blanking. Afterwards the skeleton and parts will be cleared from the table in two passes, two quarters at once.

It features two clusters of heads spread out to lift every other quarter & provides enough coverage to clear the skeleton and all parts as small as 6" long. Parts smaller than 6" long have tabs to ensure they are lifted with the skeleton.



MIDDLE: Electromagnetic plate lift system for loading a cutting table with up to 2" thick plates. It is designed for loading 8' wide x 10' long plate steel ranging from .375" to 2" thick. This plate lift system can be used to remove the skeleton and parts together in one pass.

BOTTOM: Pneumatic actuation controls the On/Off release of PNL1300 Permanent Rare Earth magnets. Designed for lifting 5' x 10' plates 5" thick weighing up to 10,000 lbs.

Air-logic load sensor only allows the magnets to release the load when it is at rest on a solid surface. Structural steel main beams with 4 cross beams. Fixed mounting provisions for four magnets at opposite corners of the spreader beam and adjustable positioning for four magnets on the two center cross beams.



For More Information On Sheet Lifters See Techsheet **AG-03A** and for PowerLifts® See **101 Catalog pg. 14**.

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