



## Custom Transporter® Cylinder Actuated Magnets For Awkward Products

**TOP:** Two magnets move the weldments out of a robotic weld cell. The magnets were required to be same profile as the weldments to fit narrow gaps between welding components.

The lifter is suspended from a customer supplied air balancer. The parts weigh over 40 lbs., have multiple sharp edges and very few handholds - making a magnetic solution ideal.

**MIDDLE:** Transporter® Cylinder Actuated Magnets (TPCA) custom designed to pick-up unique and odd shaped parts such as a large truck spring and a solid steel gear used in large machinery.

The Transporter technology combined with custom curved and/or angled faces solve material handling applications with round shapes and various steel thickness very well.

**BOTTOM:** A Transporter® Cylinder Actuated Magnet is used to lift two different valve housings. The housings are cast iron and do not have any flat surfaces. They are moved from packaging to an assembly. Maximum weight of each housing is 35 lbs.

The controls include the standard Magnet Grip & Release as well as Hoist Up & Down controls. Two Release buttons have to be pressed at the same time to release the magnet. This option was provided to prevent the operator from accidentally dropping the part by pressing one of the RELEASE buttons accidentally.

For More Information On Transporters® See Techsheet **AG-01B**.

Phone: 888.582.0823 • Fax: 231.582.0622  
Email: [imi@magnetics.com](mailto:imi@magnetics.com) • [www.magnetics.com](http://www.magnetics.com)