

Die Casting and Injection Molding



Situation

An Airfloat customer purchased additional mold presses for their operation to increase productivity. Previously, they were contracting labor to change these molds about three times a day. However, with the additional presses, this would more than double their time spent changing molds. The customer needed a material handling solution that would increase productivity, efficiency and safety while saving labor costs, time and press/mold damage.

Solution

Airfloat designed and manufactured a 30,000-lb.-capacity, single-position, air bearing-equipped, powered mold transporter/changer. The transporter is about 96" x 80", and its no-load transport speed is 0 – 60 fpm. Carrying the maximum load, the required air flow is 180 SCFM at 80 psi.

The transporter allows mold changes to be safely and easily accomplished by one person via a remote pendant controller or by on-board controls. An Airfloat-provided guide/docking bar creates repeatable precision performance.

Result

The Airfloat mold changer has saved the company an extraordinary amount of time and money. Mold changes that once took about an hour are now performed in less than 10 minutes, without the use of any forklifts and/or overhead cranes. The mold changer also has reduced press and mold damage while creating repeatable precision performance.