

**Flip-Rite®**

**PLASTIC INJECTION MOLDING**



Using swivel hoist rings, a Flip-Rite® is used to tip from vertical to horizontal for mold maintenance.

**FOUNDRY APPLICATIONS**



Flip-Rite® used to dump sand out of foundry mold boxes.

**PRECAST CONCRETE MANUFACTURING**



Flip-Rite® is used in many precast concrete plants.

**BOAT MANUFACTURING**



Using fixtures, irregularly shaped fiberglass boats can be safely flipped.

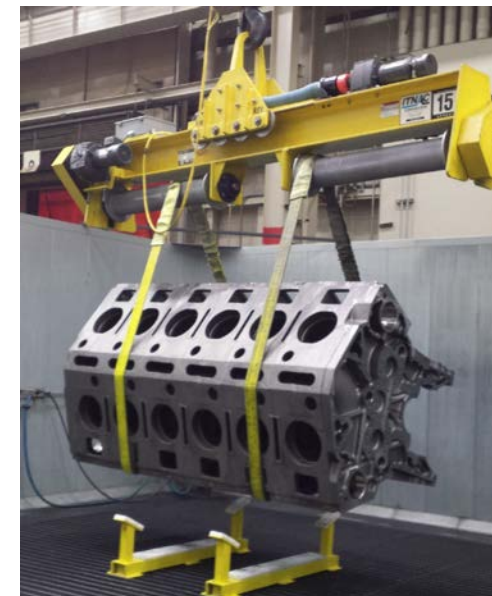
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The Bushman Flip-Rite® material handling system allows safe raising, lowering, leveling and rotating of large, bulky or oddly shaped loads weighing up to 100 tons. Each Flip-Rite® unit is custom-engineered to your application and is designed in accordance with ASME codes B30.20 and BTH-1. Quality-built throughout, the Flip-Rite® will provide years of safe and efficient service. Flip-Rite® is built in three models:

**MODEL FR**

The standard Flip-Rite® is the Model FR. It has a fixed center lifting bail that attaches to a crane hook or two end bails that attach to twin hooks on one crane or to separate hooks from two cranes. One drum or multiple drums can accommodate flipping straps spaced close together or far apart.



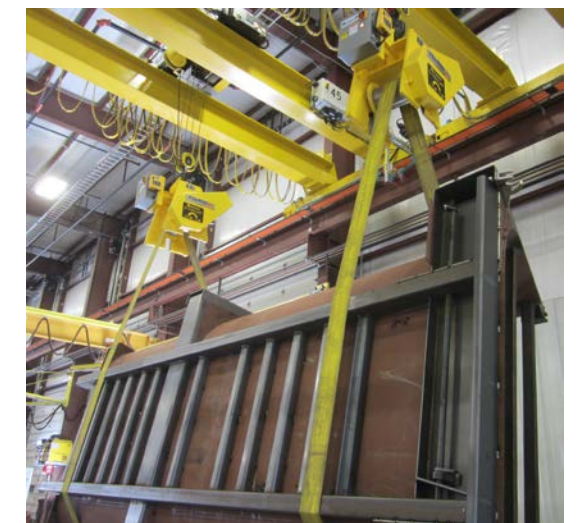
**MODEL FRM**

The Model FRM has two separate single-strap modules that attach to separate cranes to lift and rotate long loads. Both modules are motorized and operate in tandem from a single radio remote hand-held pendant. For loads with non-uniform circumference along the length, one module can be motorized and the other is an idler.



**MODEL FRL**

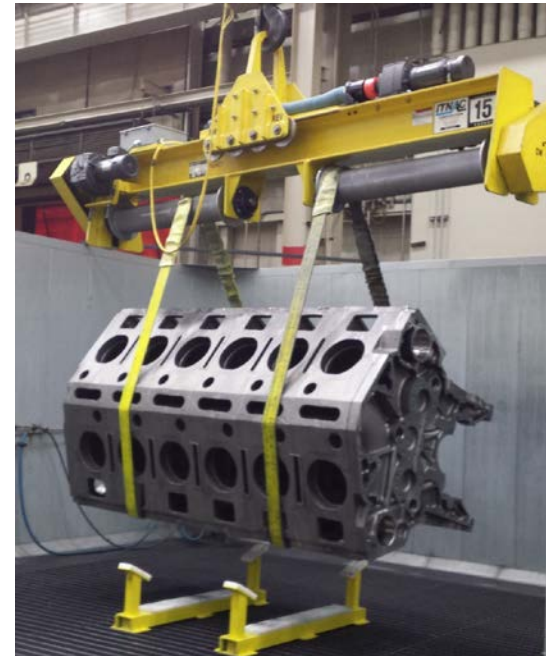
The Model FRL has a motorized center lifting bail that can level out unbalanced loads in mid-air, eliminating the time-consuming need to set the load down to adjust the position of the lifting straps.



## MACHINING OPERATIONS

Machining operations will see a huge benefit with a Flip-Rite® system. Many workpieces require flipping to be able to machine all required surfaces. The optional leveler shown here can level out unbalanced loads in mid-air, eliminating the time-consuming need to set the load down to adjust the position of the lifting straps.

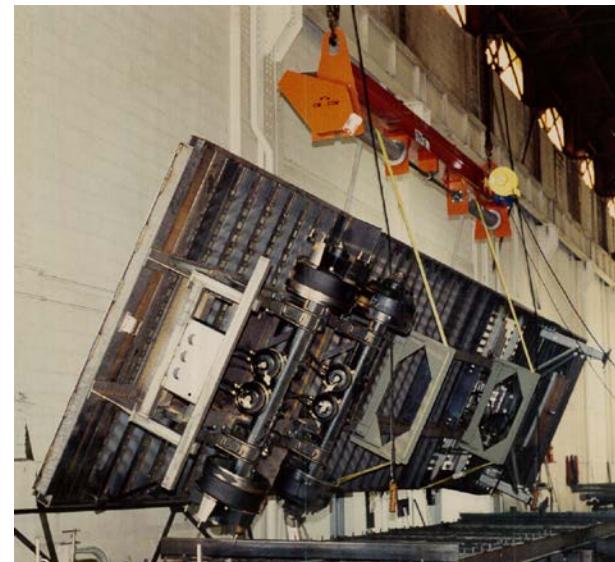
The Flip-Rite® at the right is used in a wash station where metal debris and cleaning solvents can be efficiently dumped out of the machined engine block.



## BUNDLE TURNING

Metal service centers that handle walkway plate can use a Flip-Rite® to properly orient bundles for packaging.

The Flip-Rite® can be used to inspect all surfaces ergonomically.



## MACHINE ASSEMBLY

The Flip-Rite® is an excellent tool for assembling large machinery. Positioning of work pieces makes machine assembly safer and faster, thus encouraging maximum productivity through safe handling.

## WELDING & FABRICATION



FRM rated 70 tons per pair used for bridge girder fabrication



FRM rated 100 tons per pair used at a girder fabrication shop in cold temperature outdoor conditions.



Where the load does not allow easy strap placement, separate strap fixtures (yellow & blue) can be made and attached to the ends of the load.