

EASY ARM™ IN ACTION: INJECTION MOLDING

EASY ARM™ TAKES THE PAIN OUT OF MANUAL LIFTING

Industry	Injection Molding Manufacturer
SIC	
Application	Lifting and stacking agricultural tanks weighing up to 87 lbs
Solution	Easy Arm™ Intelligent Lifting Arm
Results	No injuries reported since Easy Arm™ replaced manual lifting

Gorbel's Easy Arm™ Intelligent Lifting Arm is helping to lighten the load for workers at an injection molding manufacturer. This plant produces household items such as garden sheds, outdoor storage units and garbage containers.

Lightening the Load

Operators in this particular work cell needed to lift and stack large, awkward agricultural tanks weighing from 30 to 87 lbs. Prior to the Easy Arm™, the workers had been manually lifting the tanks, but the company wanted to reduce operator injuries and find a better ergonomic solution to the manual lifting.

Gorbel's Solution

This company considered several options before deciding to try Gorbel's Easy Arm™, including a robot with special automation, a ceiling mounted or free standing work station crane, and a fork lift with a clamp attachment on it.

They decided on the Easy Arm™ for 2 key reasons. First, the easy movement of the Easy Arm™ allows their workers to lift the heavy tanks without back

This plant replaced manual lifting with Gorbel's Easy Arm™ to reduce the potential for operator injuries. Note the optional base that the Easy Arm™ stands on. The fork truck pockets in this base allow it to easily be moved out of the work cell when the dies are being changed.

strain, because the Easy Arm™ takes on the bulk of the load. Second, the Easy Arm™ compact design means that the company didn't need to try to fit a big, cumbersome piece of equipment into their workspace. The Easy Arm™ fits neatly into the cell and doesn't take up valuable production space.

Versatile Throughout the Plant

This plant had a challenge in this work cell, because whatever lifting solution they chose had to leave a clear area in the cell so that dies could be changed in the mold machine. The Easy Arm™ was fitted with an optional portable base with pockets for fork trucks forks. When a die needs to be changed, the Easy Arm™ can easily be moved out of the way. It can also be moved to different areas of the plant to assist in those work cells, if need be.



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