Vacuum Handling Systems
Solutions for kegs, bottles, grains and cases
Brewery industry ergonomic lifting solutions

Flexible use

Schmalz has a wide variety of lifting products to meet material-handling needs in a busy brewing environment. With a single lifter, you can lift bags, bottles, cases and kegs with ease.

Reduces injuries and liability

According to the Bureau of Labor Statistics, more than one million workers suffer back injuries each year, and back injuries account for one of every five workplace injuries or illnesses. An estimated one-fourth of all compensation indemnity claims involve back injuries, costing industry billions of dollars on top of the pain and suffering borne by employees.


System benefits

- Helps prevent back injuries by eliminating manual lifting, thereby reducing workers’ comp claims, lowering insurance costs and increasing profitability
- Low-cost solution compared to mechanical or robotic lifting solutions
- Lower energy costs of operation
- Speedier handling process increases productivity
- Eliminates heavy weight-lifting requirements for employees

Handling capabilities

- Ability to lift all kegs – including ½ barrels, ¼ barrels and ½ barrels – from the top or side
- Vacuum lifters allow for the lifting of various ingredient bag and bucket sizes
- A keg-side lifting operation with 180° and 360° rotation options (powered rotation available on request
- Imperfect kegs with dents and damage are no problem with our form seal – no need to center the pad on a perfect surface
Design and function

Product Overview

Three high-performance types for a variety of applications: JumboFlex, JumboErgo and JumboSprint differ in the form and function of their operator handles and are conceived in each case for specific applications.

<table>
<thead>
<tr>
<th>Max. lift capacity (horizontal)</th>
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<tbody>
<tr>
<td>20 kg</td>
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<tr>
<td>JumboFlex</td>
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<td>JumboErgo/JumboSprint</td>
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Key features

- Easy, one-hand control on JumboFlex
- A variety of vacuum heads for bags, bottles/cans (glass, plastic, aluminum), cases (cardboard/plastic), kegs, buckets and barrels
- Quick-change attachments allow the interchangeable vacuum heads to be switched without additional tools
- The built-in power loss safety feature prevents dropping of the handled product in case of power outage – the system slowly releases the vacuum seal, allowing employees to safely move from the area as the product is lowered to ground level
- 170lb kegs are easily lifted with a gentle turn of our motorcycle twist-grip operator handle; the forward and back motion of the twist-grip handle raises and lowers the product and includes a built-in release function

Diagram of example keg lift
Accessories

Suction pads and grippers

**Keg lifter**
For lifting kegs from top surface.

**Sack gripper**
For lifting bags, bails, shrink wrapped and cardboard work-pieces.

**Round suction pad with skirt**
For various bags and shrink-wrapped workpieces.

**Bottle gripper**
For casing and uncasing bottles - picking 12 per pick.

**L-frame keg lifter**
For lifting kegs from side profile – available with or without 180° manual or power rotation capability.

**Double suction pad**
For cases, cardboard boxes, and other flat work pieces – quadruple pad tools also available.

Mechanical grippers and more suction pads for handling various other work pieces are available upon request.

[Schmalz logo]
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Accessories

Crane options
Schmalz support can tailor a crane and lifter perfect for every application.

Jib crane
Available in ceiling or floor mount. Optional portable-base for low-weight applications is available for forklift moving of the system, maximizing functionality throughout the brewery.

Bridge crane
Available in ceiling and floor mount options.

About Schmalz
Founded in 1910 in the Black Forest of Germany, Schmalz is a leading global supplier of automation, material handling and clamping systems. We provide customers in more than 50 countries and numerous industries with innovative, efficient, vacuum technology solutions.

Our many years of experience and our close relationships with our customers mean we understand your processes, which allows us to meet the highest standards. We help our customers everywhere with improving their production processes which are made more efficient through the use of vacuum technology.

Ready to see for yourself the difference our vacuum lifter can make in your brewery? Contact our brewery solution application engineer at schmalz@schmalz.us or 919-713-0880.