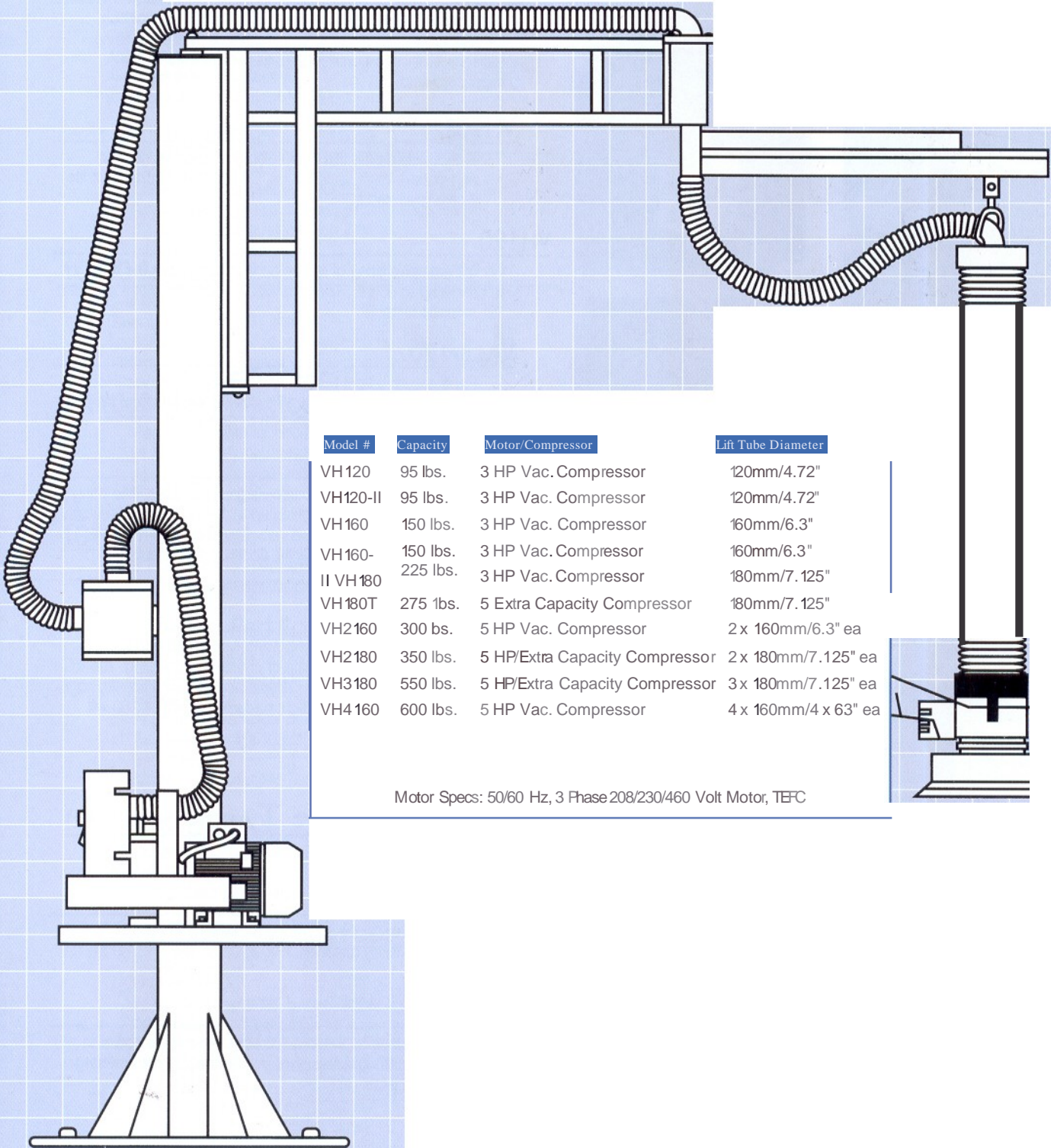


# VACUHOIST SYSTEMS AND SIZES

VacuHoist is a self-contained vacuum-powered hoist that provides a safe and efficient way for an operator to lift, maneuver and lower virtually any object up to 600 pounds (272kg)!

Whether you're lifting 95 lbs. or 600 lbs., one of VacuHoist's 10 models will offer the solution to fit your lifting needs.



| Model #  | Capacity | Motor/Compressor               | Lift Tube Diameter   |
|----------|----------|--------------------------------|----------------------|
| VH120    | 95 lbs.  | 3 HP Vac. Compressor           | 120mm/4.72"          |
| VH120-II | 95 lbs.  | 3 HP Vac. Compressor           | 120mm/4.72"          |
| VH160    | 150 lbs. | 3 HP Vac. Compressor           | 160mm/6.3"           |
| VH160-   | 150 lbs. | 3 HP Vac. Compressor           | 160mm/6.3"           |
| II VH180 | 225 lbs. | 3 HP Vac. Compressor           | 180mm/7.125"         |
| VH180T   | 275 lbs. | 5 Extra Capacity Compressor    | 180mm/7.125"         |
| VH2160   | 300 lbs. | 5 HP Vac. Compressor           | 2 x 160mm/6.3" ea    |
| VH2180   | 350 lbs. | 5 HP/Extra Capacity Compressor | 2 x 180mm/7.125" ea  |
| VH3180   | 550 lbs. | 5 HP/Extra Capacity Compressor | 3 x 180mm/7.125" ea  |
| VH4160   | 600 lbs. | 5 HP Vac. Compressor           | 4 x 160mm/4 x 63" ea |

Motor Specs: 50/60 Hz, 3 Phase 208/230/460 Volt Motor, TEFC

## VACUHOIST MODELS

### MICRO, MINI, & STANDARD UNITS

Our most popular units cover a wide range of handling capability, expanding our ability to meet your lifting needs.



#### VH90A

This plant air-powered micro unit is the economical solution for your lightweight material handling needs. Maximum lifting capacity 40 lb. non-porous loads. (60 psi minimum air supply required)



#### VH90E

With a 2Hp motor, this micro electric alternative handles non-porous loads up to 50 lbs. Compact and portable, it fits where you need it.



#### VH120

For the repetitive lifting of lighter loads, this mini has the capacity to handle up to 95 lbs. All mini units are equipped with a standard 12" extended handle.



#### VACII-120

For those on a tight budget, VACII models offer VacuHoist quality with simple valving. Will allow manipulation of simple porous loads (bags & boxes) up to 95 lbs.



#### VH160/180

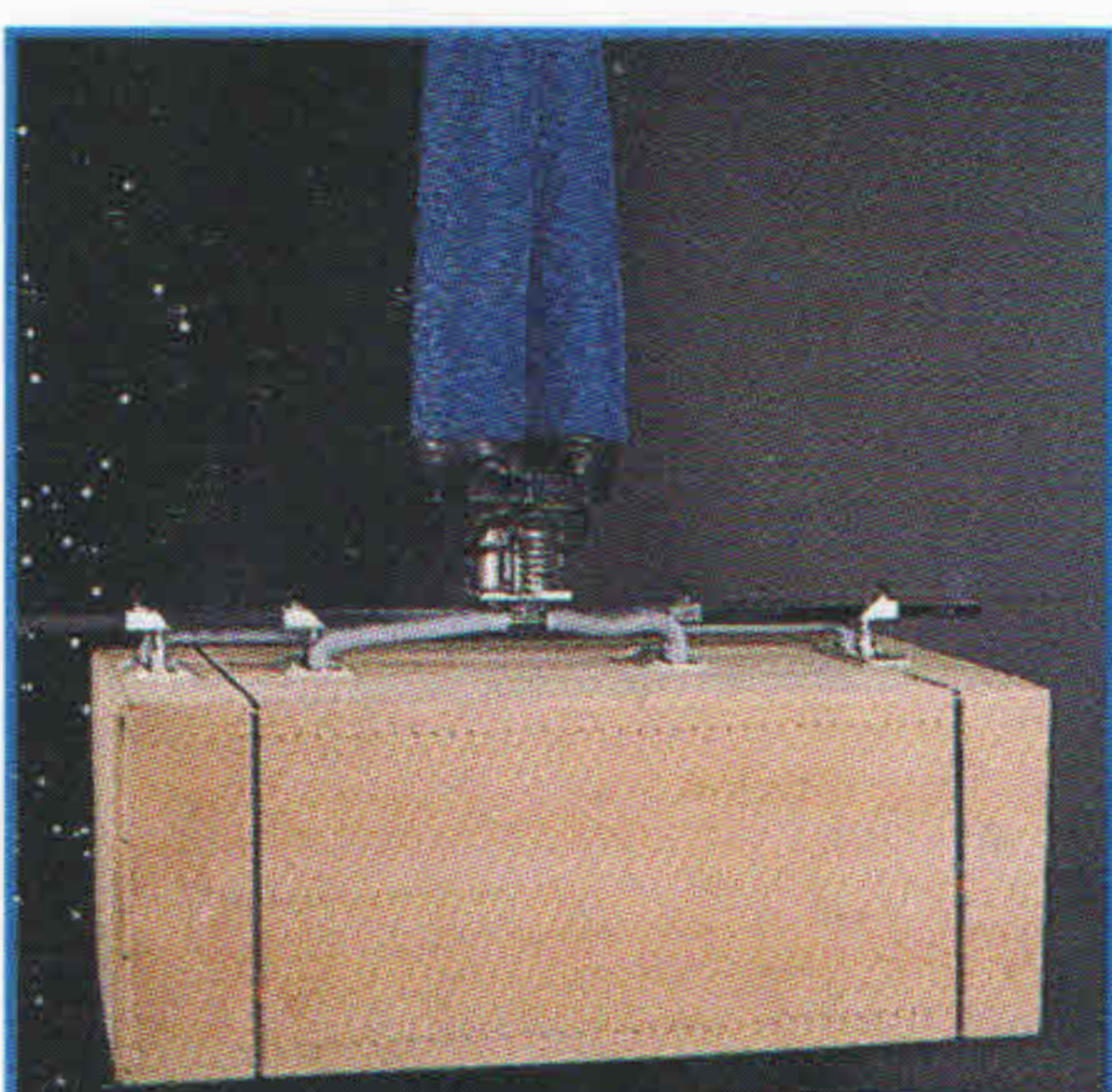
Our standard unit, the VH160 affords great flexibility while lifting a wide variety of objects weighing up to 150 lbs.; the VH180 lifts loads up to 225 lbs. For added versatility, the VH180T utilizes extra motor/compressor capacity, boosting lift capability to 275 lbs.



#### VACII-160

Developed for the user who wants VacuHoist quality, but who does not need the precision of our standard valving. The VACII is designed specifically for simple porous load lifting (ie. bags & boxes), for those on a tight budget. The VAC II-160 will handle up to 150 lbs.

### MULTIPLE TUBE UNITS FOR HEAVIER LIFTING TASKS



#### VH2160 or 2180

The same power doubled! Utilizing a double lift tube design, the VH2160 has a lifting capacity up to 300 lbs. The VH2180 lifts up to 350 lbs.



#### VH3180

Three lift tubes on the VH3180 boost your lifting power to a maximum 500 lbs. Also gives you flexibility in maneuvering multiple objects.

# STANDARD END EFFECTORS

## FOR THE VH160, VH180, AND VH180T

Common lifting applications are covered with our line of standard VacuHoist end effectors. Shown are a representative of the standard attachments we offer to accommodate your material handling tasks.

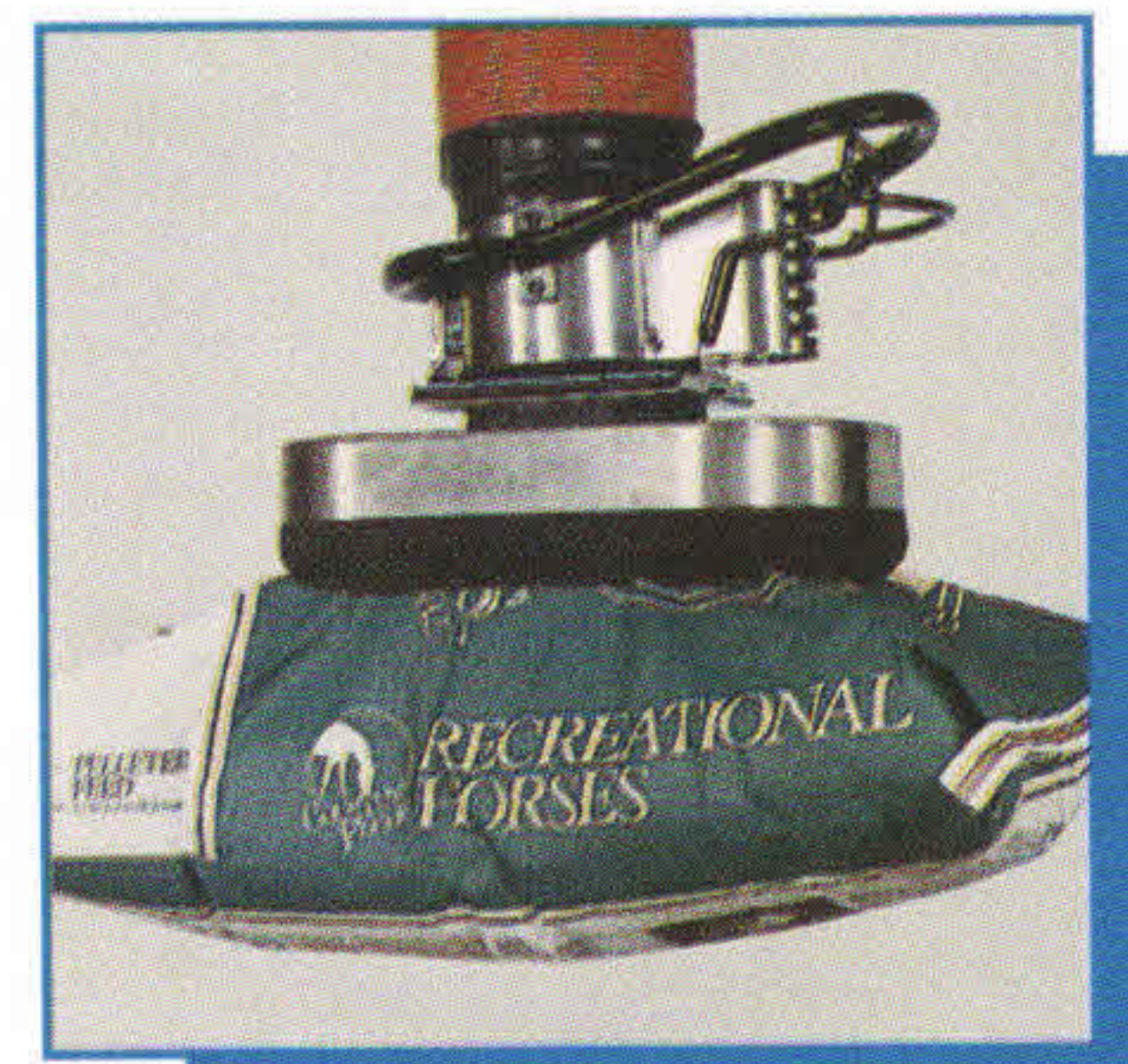
### 10210 Pail Foot

Circular (10" diameter)  
Gasket: 10211  
Application examples: pails drums  
Also available in stainless steel  
(Shown with quick release top & bottom)



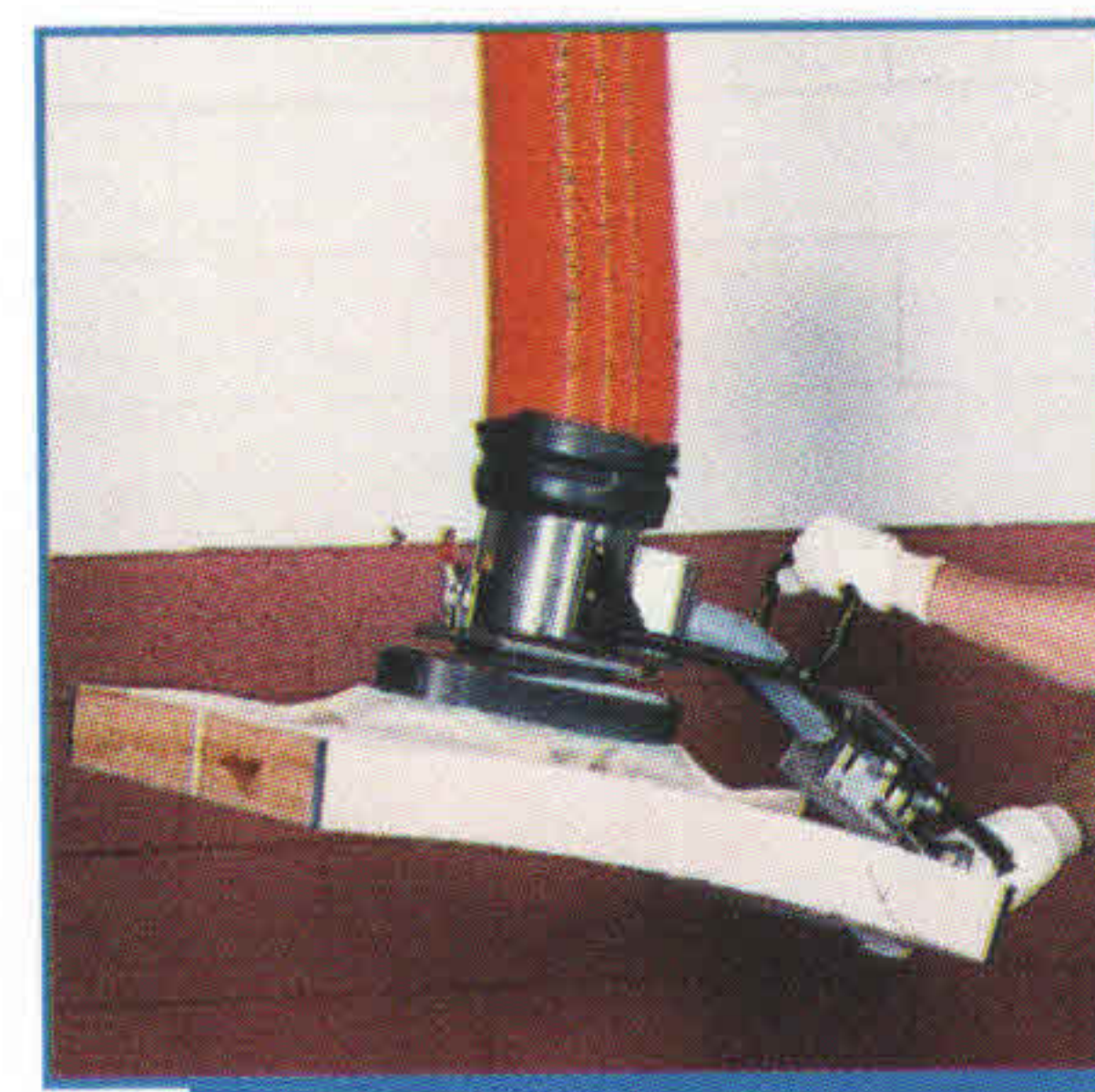
### 1030LL Bag Foot

Oval with screen (9.5" x 15.75")  
Gaskets: 1030L009B & 1030L010B  
Application examples: Loosely packed bags, sacks  
(Shown with quick release top & bottom)



### 10300 Bag Foot

Oval (10.5" x 14")  
Gasket: 10301 or 1031 (floppy)  
Application examples: paper/plastic bags, signature bundles  
(Shown with floppy gasket and quick release top & bottom)



### 10400 End Effector

Rectangular with rounded pads  
(4.75" x 22.5"). Gasket: 10401  
Application examples: rolls, pipes, tubes, tanks, drums  
(Shown with quick release top & bottom)



### 10450 Hook foot

Hook foot allows for mechanical lifting without suction  
Application examples: strapped product

### 10600 Twin Pad Box Foot

Two adjustable rectangular pads  
(18" yoke; 4.25" x 12.25" pad)  
Gasket: 10601  
Application examples: boxes; tables; any large, flat object  
Also available: 10610 (31" yoke) 10620 (48" yoke) 10640 (72" yoke)  
(Shown with extended handle and quick release top & bottom)

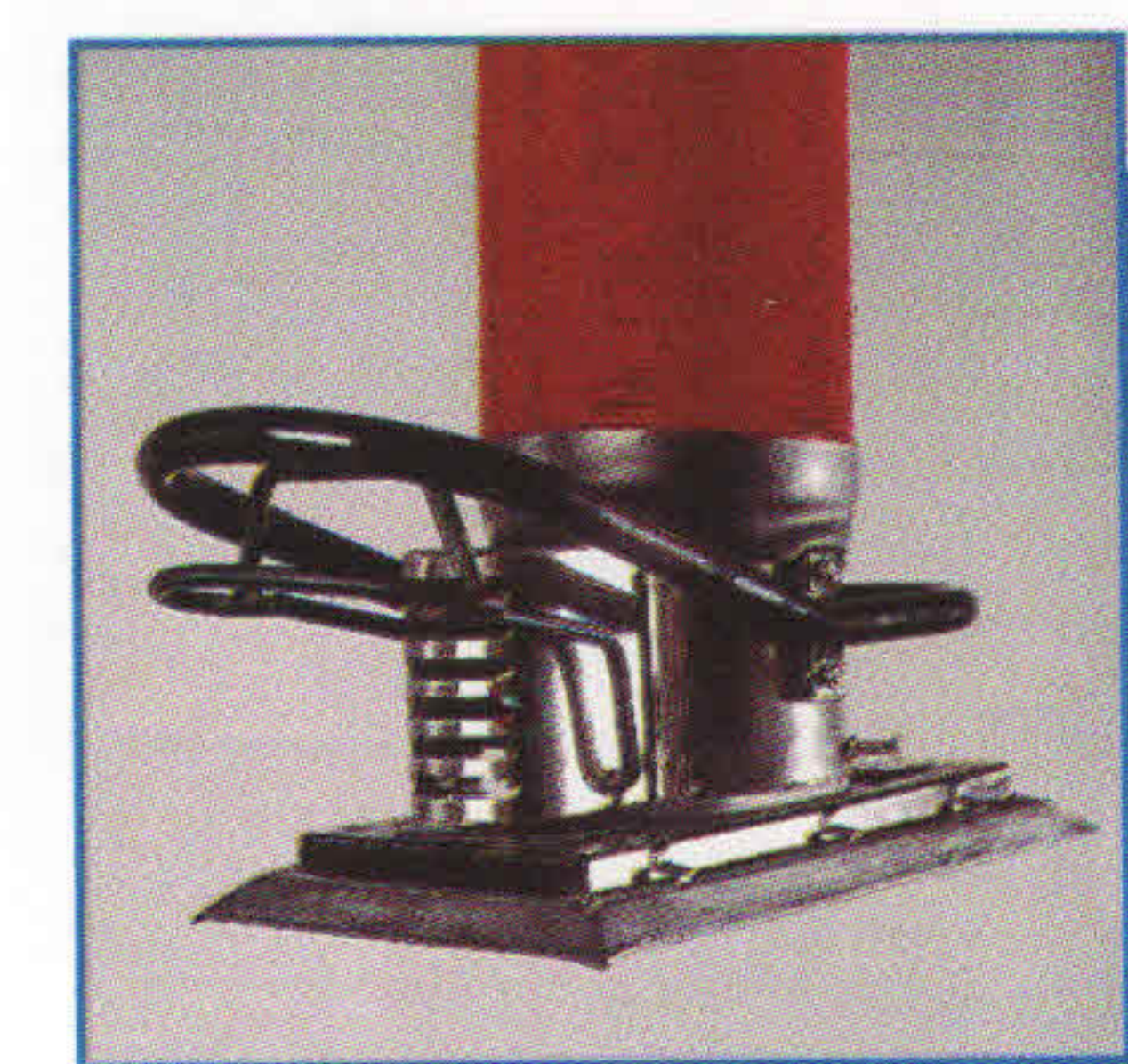


### 10670 End Effector

Two adjustable circular pads (24" yoke; 7.75" diameter pads)  
Gasket: 10651  
Application examples: Large TV screens, double pails.

### 10710 Single Pad Box Foot

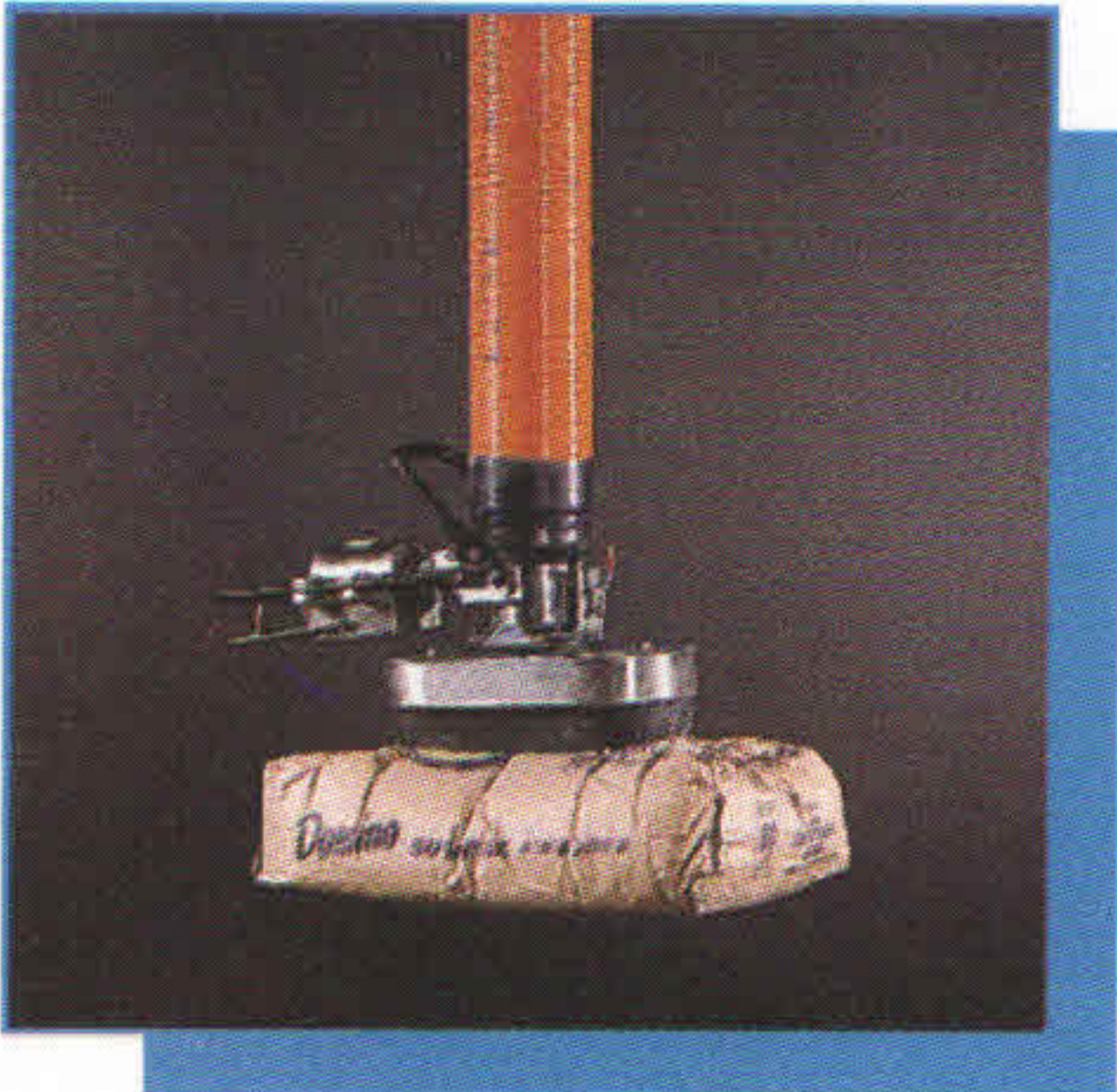
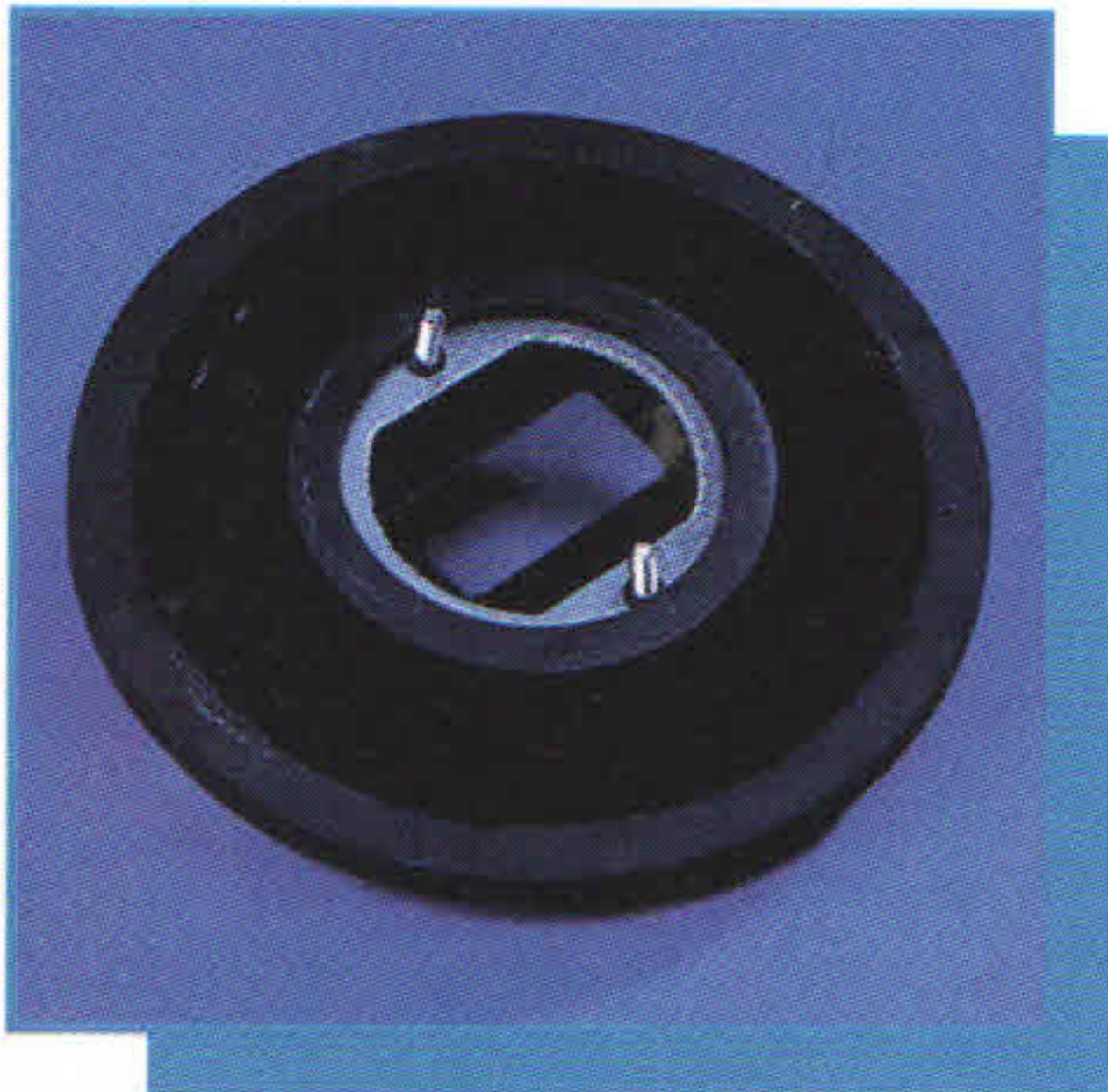
Rectangular (7.25" x 11")  
Gasket: 10711  
Application examples: boxes, rubber bales, tv screens  
Also available: \*10700 (8" x 13")  
Gasket: 10701 \*10715 (7.25" x 11"—stainless steel).  
(Shown with quick release top & bottom)



## END EFFECTORS FOR SPECIALIZED MODELS

### MICRO & MINI UNIT END EFFECTORS

Our standard line of Lightweight lifting attachments fit VH90A, VH90E, VH120, and VACII-120.



#### 30200 Mini Pail Foot

Circular (7.75" diameter).  
Gasket: 30201  
Application examples: pails

#### 30300 Mini Bag Foot

Oval (6.5" x 10.75").  
Gasket: 30301 or 3031 (floppy)  
Application examples: paper/plastic bags, signature bundles

#### 3030LL Mini Bag Foot With Screen

Oval (6.5" x 10.75")  
Gasket: 30301 or 3031 (floppy)  
Screen catches loose or sliced bag.  
Application examples: partially filled bags; bag dumping stations

#### 30600S End Effector

Two adjustable rectangular pads  
(18" yoke; 3.5" x 8" pads).  
Gasket: 30601  
Application examples: cartons

#### 30700 End Effector

Rectangular (3.5" x 9.75").  
Gasket: 30701  
Application examples: cartons, tv monitors, electronics

#### 30710 End Effector

Rectangular (5.5" x 8.25").  
Gasket: 30711  
Application examples: cartons, car batteries

### MULTIPLE TUBE UNIT END EFFECTORS

Attachments for heavy and multiple-object lifting applications



#### 10630 End Effector

Four rectangular pads (4.5" x 12.25") on 6' adjustable bar.  
Gasket: 10601  
Application examples: large boxes, tables, sheet metal, plywood, drywall, sheets of glass

#### 10600S End Effector

Two rectangular pads (7.25" x 11") on 4' adjustable bar.  
Gasket: 10711  
Application examples: large plate steel, flat furniture  
Shown with extended handle and angle adaptor

# STANDARD ACCESSORIES

## SIMPLE ANSWERS FOR SPECIAL NEEDS

A number of available accessories enhance your VacuHoist system's ability to answer your lifting needs.

### 10250 and 10260

Quick Release Top and Bottom  
The 10250 attaches to the suction head and the 10260 attaches to the end effector.  
Also available for VH120: 30250 (quick release top)  
30260 (quick release bottom)



### 10350 Bottom Swivel

Enables the load to rotate 360 (without rotating the handle).  
Also available for VH120: 30350



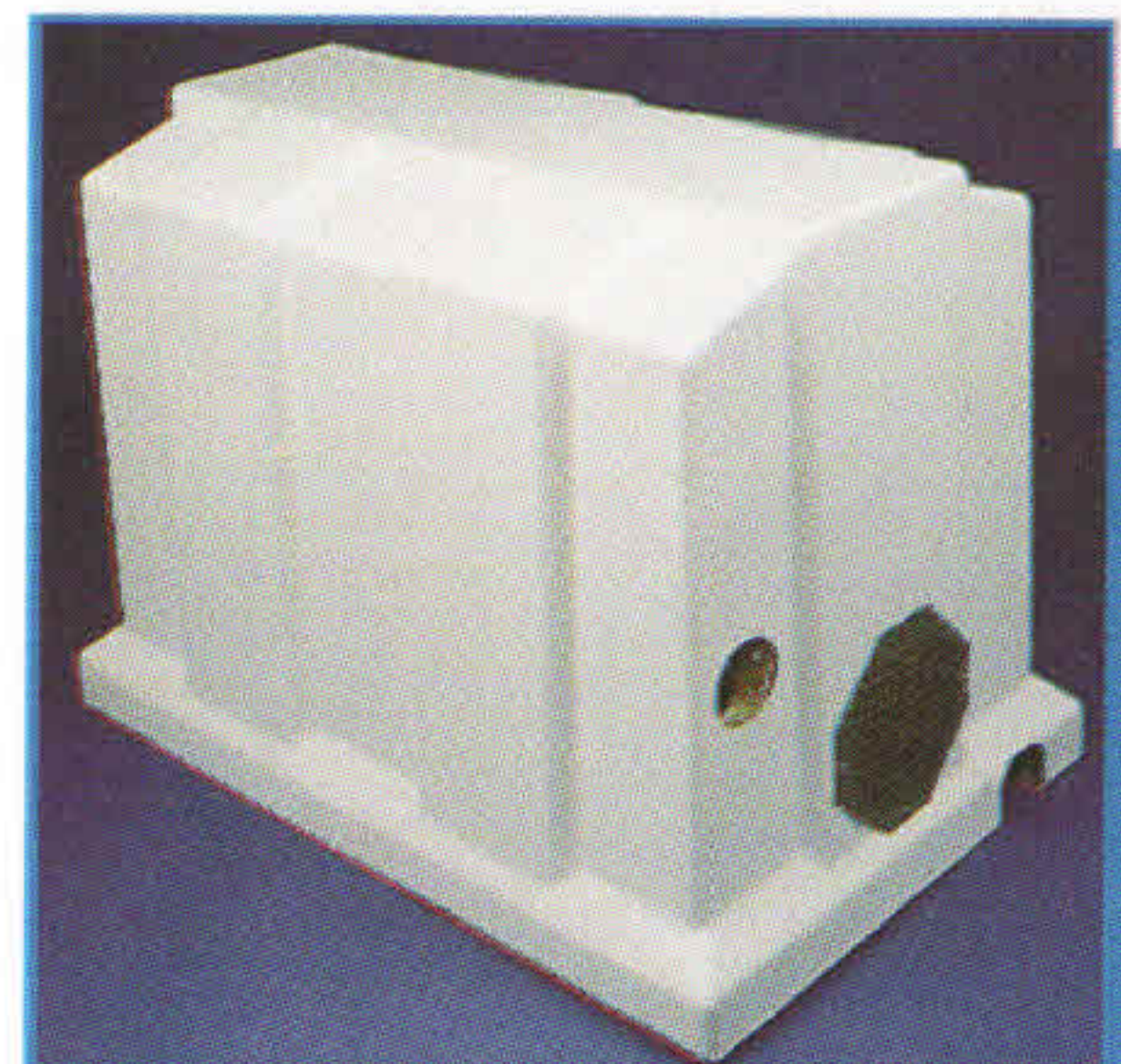
### 10801 Angle Adaptor (90)

Enables the load movement from vertical to horizontal.  
Also available for VH120: 30800



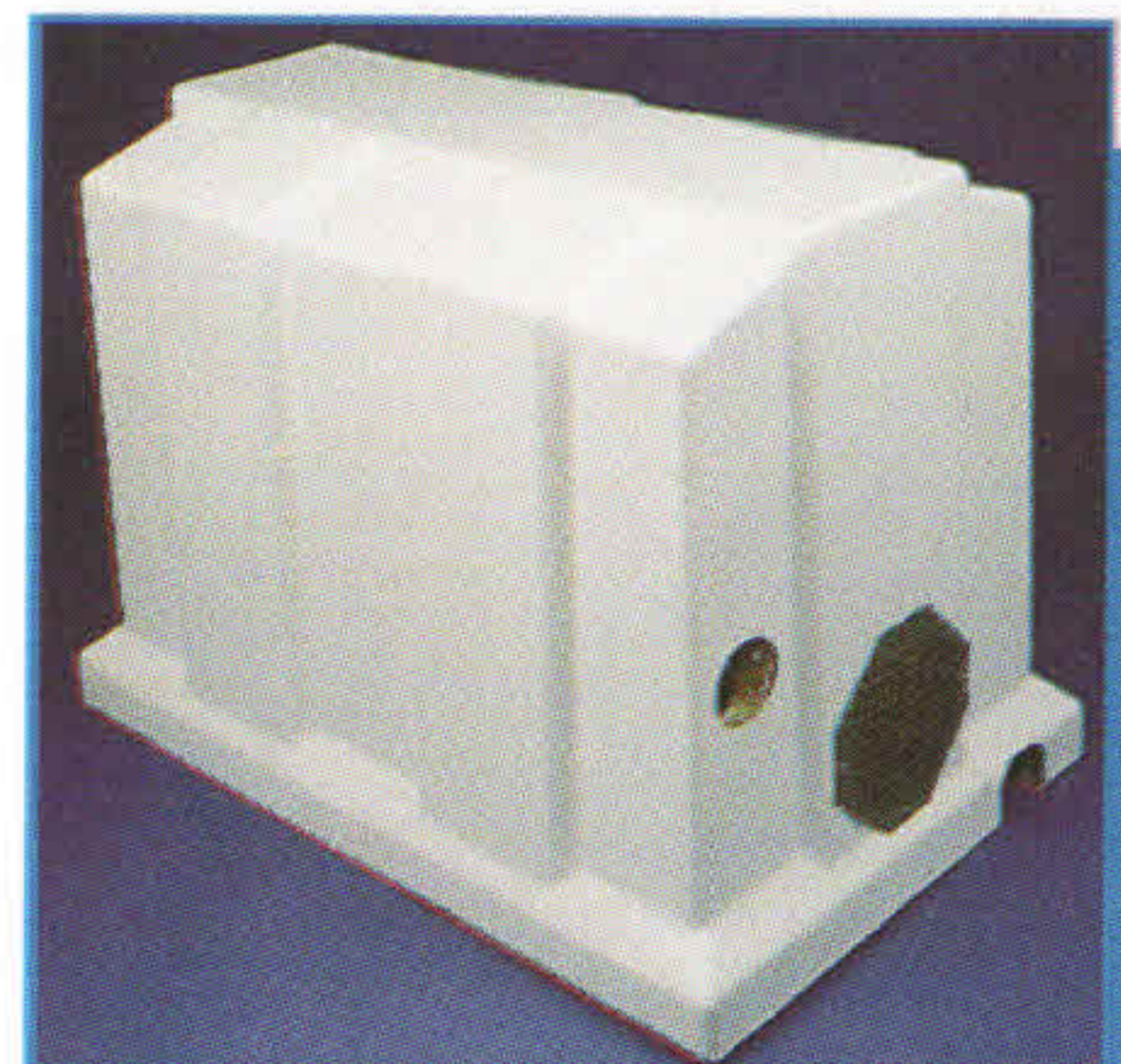
### PUJ 001 Universal

Aids in lifting loads at various angles.  
Application examples: rubber bales  
Also available for VH120: PUJ 002



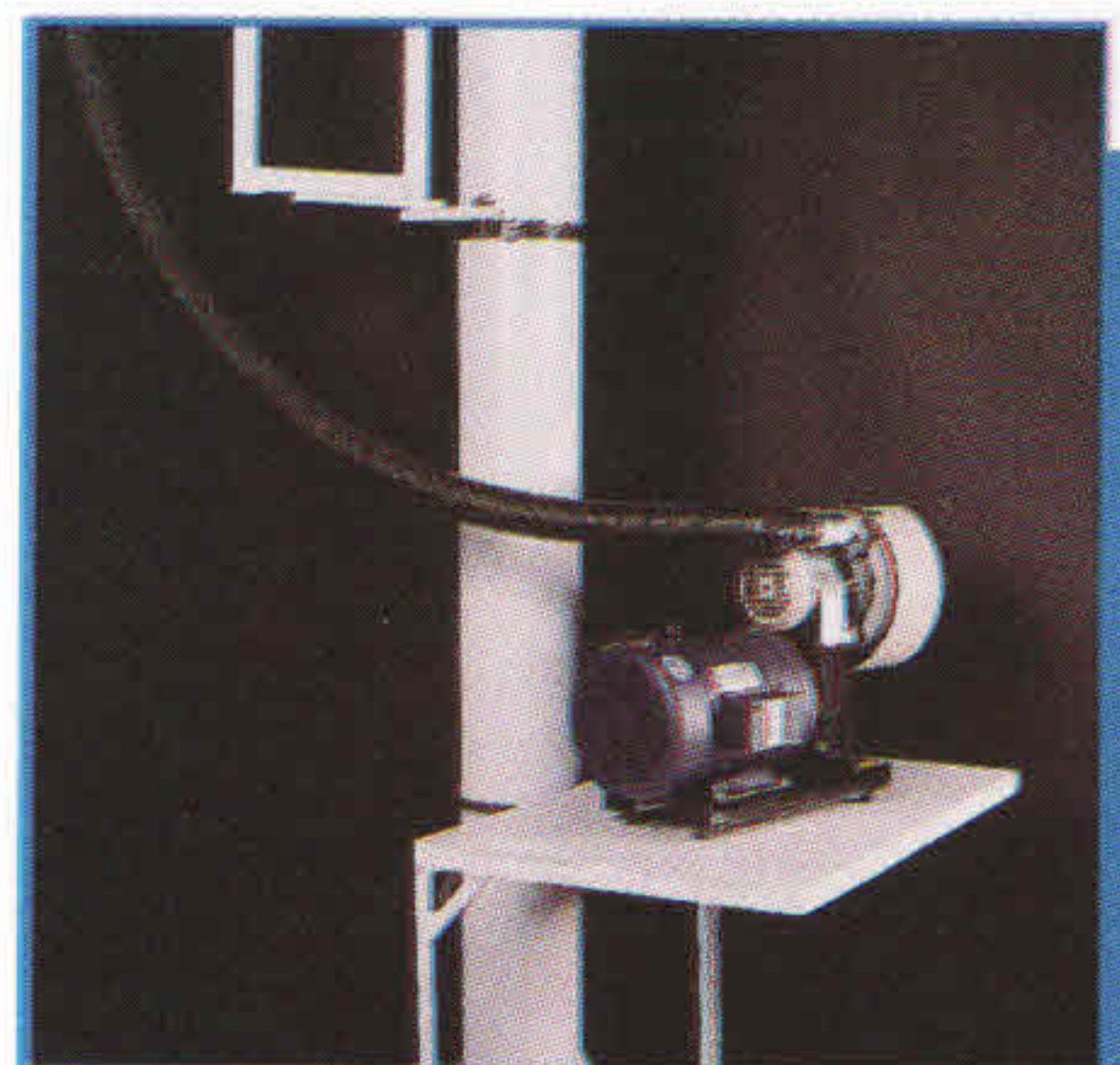
### PBF002 Bin Filter

Approximately 500% capacity of our standard 1100 filter.  
Designed specifically for bag lifting applications with ability to hold an entire 100 lb. bag of flour in the event of bag breakage.



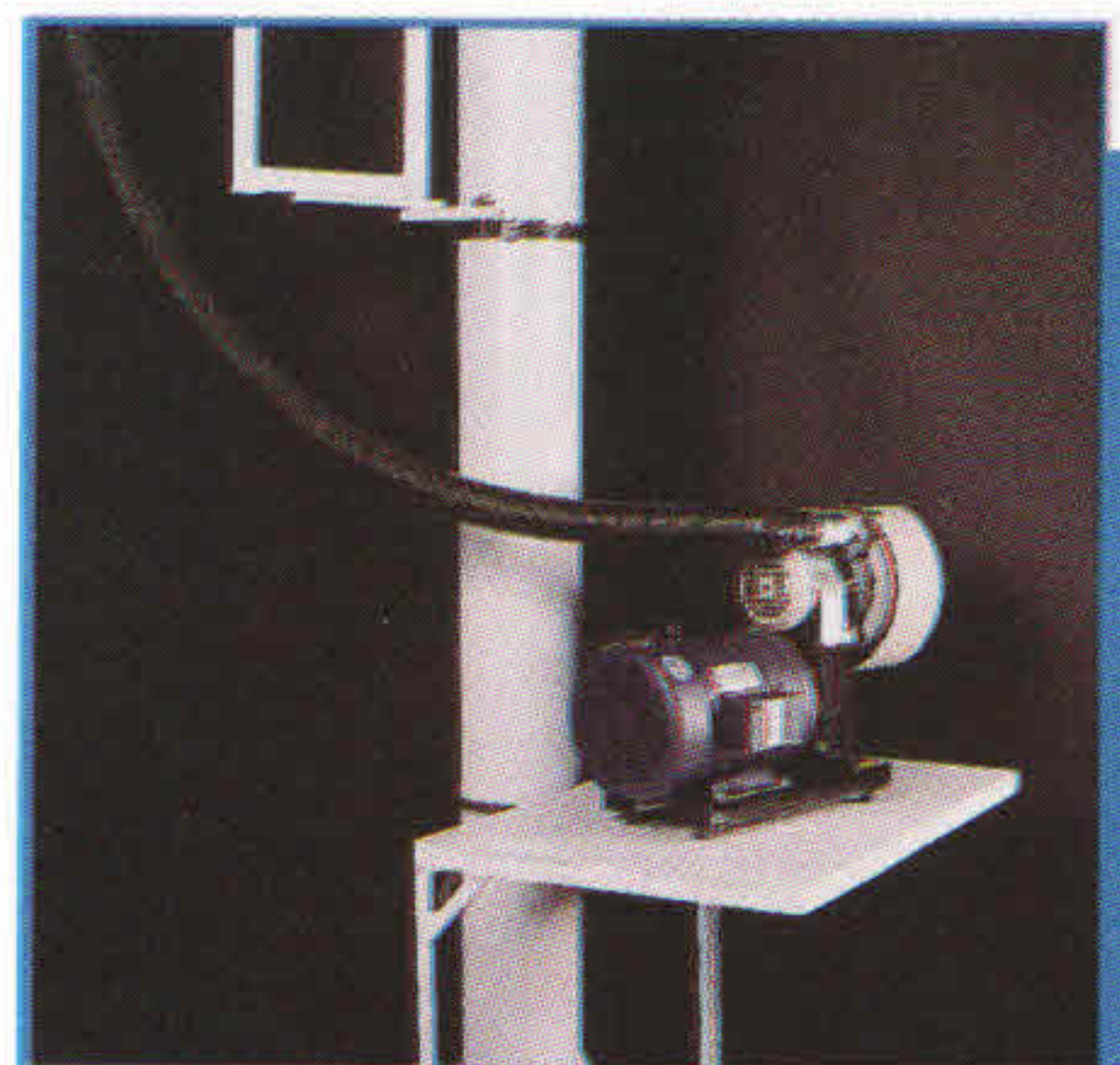
### ACCH001 Acoustical Hood

Aids in reducing motor noise and protects from hostile environment.



### Lift Tube Cover

Provides abrasion resistance in harsh environments.



### Motor Compressor Table

For mounting of motor and compressor to wall or ErgoSys® Jib Crane. Available in two sizes: large to be used in conjunction with acoustical hood, or small for motor and compressor only.



### Flex Handle

Optional attachment which allows operator to reach to the top of stacks or across wide product without over exertion. Can be custom-made to any length. For use on VH120 unit or larger. (VAC II units N/A)



### Handle Bars

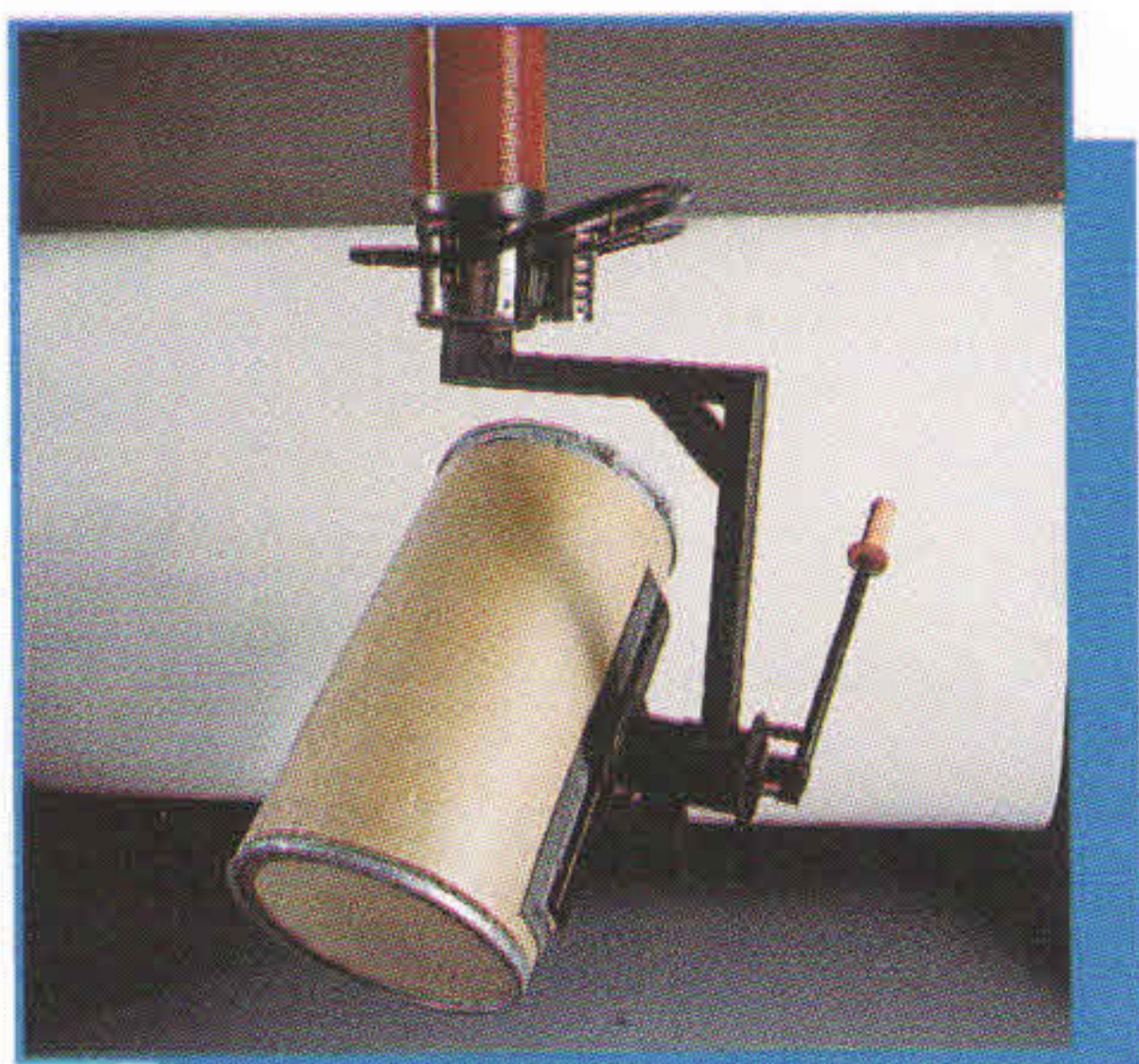
Gives the operator one more place to grip for precise placement of the load. Available on VH120 unit or larger.



# SPECIAL END EFFECTORS

## CUSTOM DESIGNS FOR VH MODELS

If your product or materials require special handling, we can custom design an attachment to safely and efficiently lift and maneuver it. Below are some examples of specially designed end effectors.

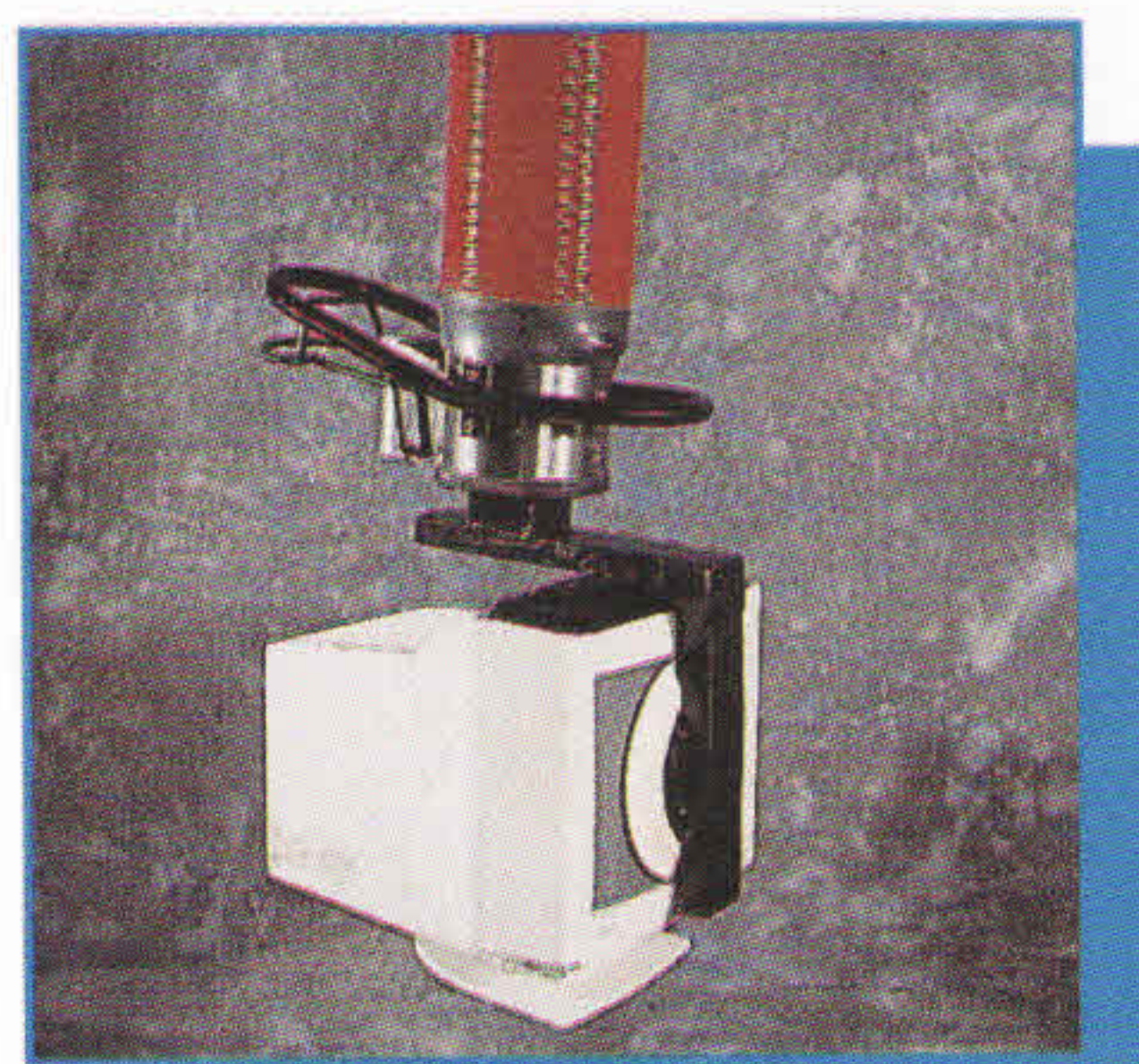


### Drum Dumper (manual)

Ergonomically designed controls are bi-directional and indexed for stopping every 15" to provide ease of lifting, maneuvering and unloading of product.  
Available for models VH160 and VH180

### Spider Foot

Six adjustable suction cups enable the lifting of a wide variety of round or flat objects.  
Available for models VH120, VH160, VH180 and VH180T.  
Shown with extended flax handle



### Monitor Screen Lifter

Top and side suction feet enable secure movement of non-uniformed products.  
Available for models VH160, VH180 and VH180T

### Side Drum Lifter

Four curved suction feet permit easy lifting and maneuvering of cylindric products when loose fitting lids are a concern.  
Available for models VH160, VH180 and VH180T

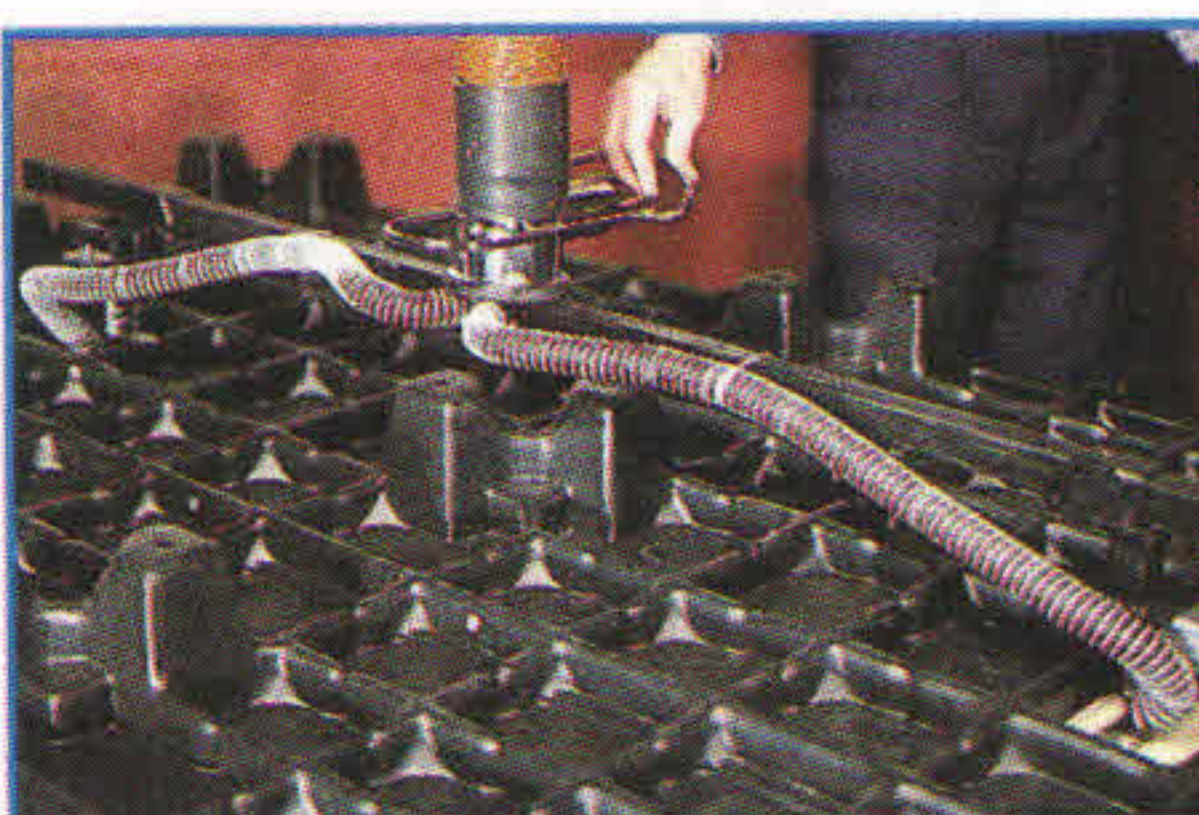
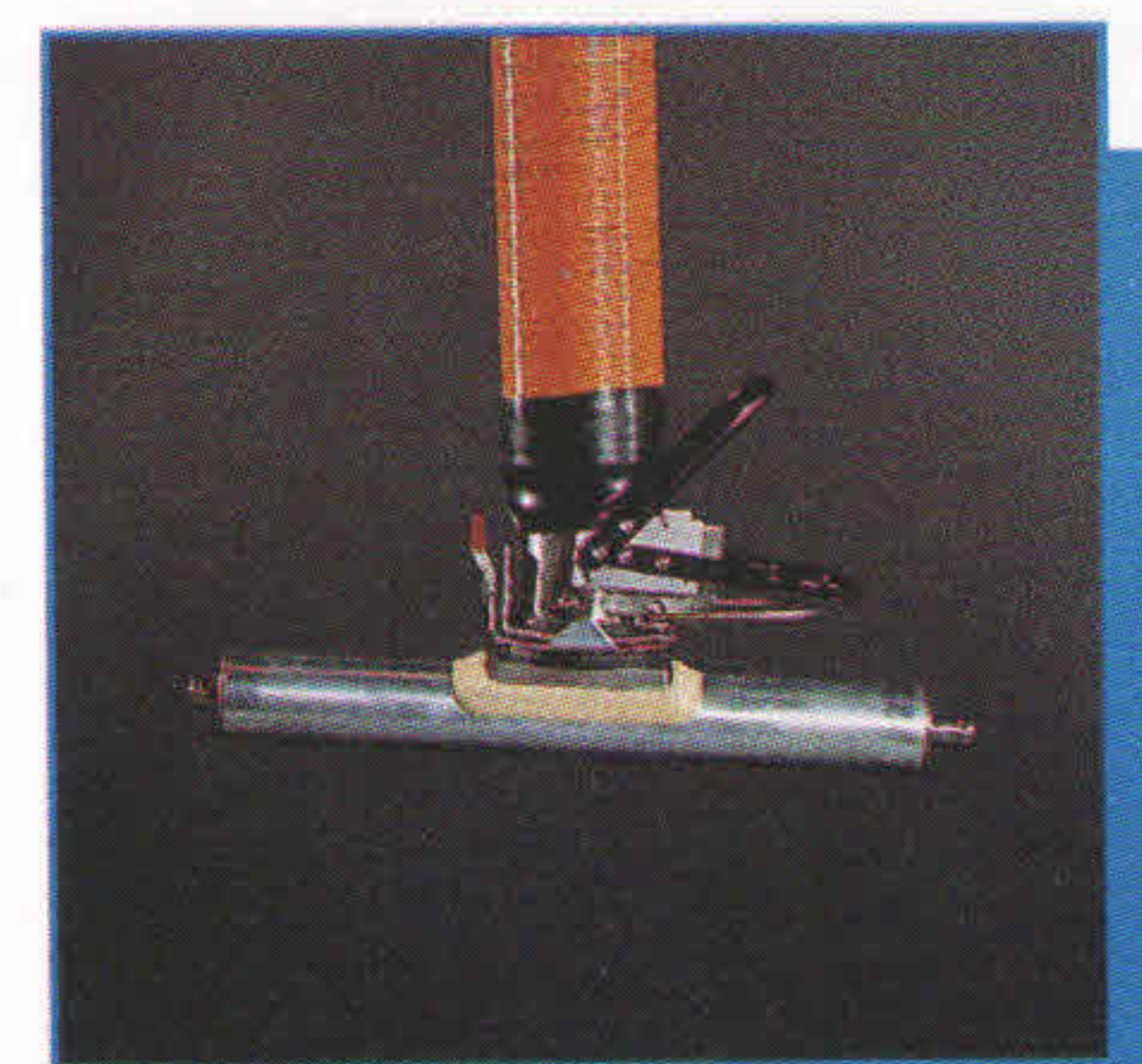


### Toilet Lifter

Three suction feet grab fully assembled toilet, allowing easy loading/unloading of shipping container.  
Can be modified for specific toilet models.

### 10400S

Two curved suction feet adjust to lift different length rolls.  
For models VH160 and larger.



### 30710C

Curved foot adheres to radius of steel roller for easy lifting and maneuvering.  
Customizing available to fit any diameter. VH160 or VH180

### 30500S

Two mini pad feet can be repositioned on spreader bar to accommodate special spacing restrictions. Shown lifting sleeve packs with VH90A. Also available for the VH120.

# SPECIAL END EFFECTORS

## CUSTOM DESIGNS FOR VH MODELS

Our talented engineering staff is available for customizing. Below are some recent designs.

### 10710 Offset

Standard suction pad is attached to a custom frame which allows products to be lifted from beneath shelves or other obstructions.

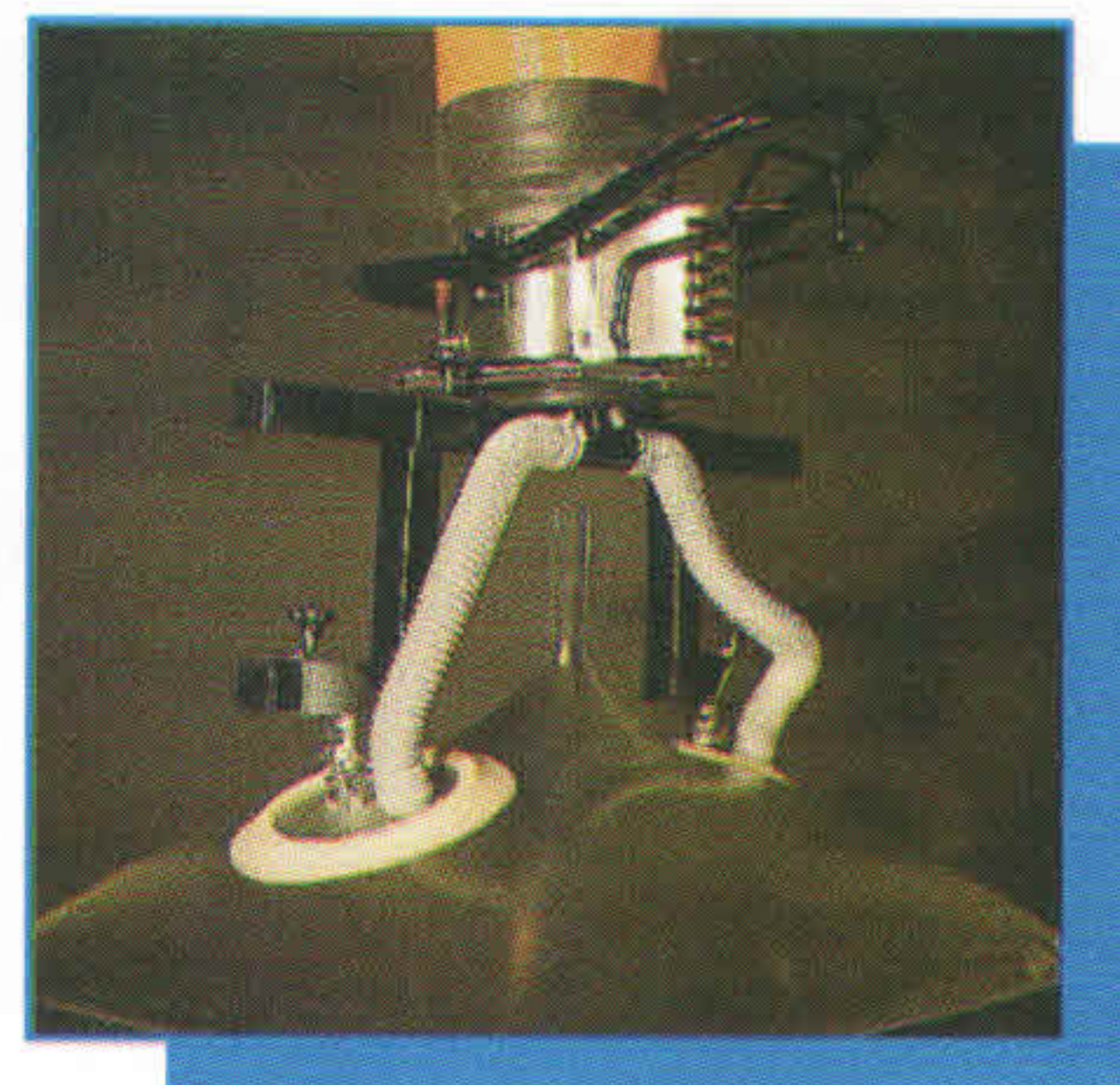
For use with VH160, VH180, or VH180T



### 10670-CX

A modified version of the 10670. Two adjustable round pads attach to sloped sides. Shown here lifting a picture tube.

For use with VH160 models and larger.



### 10630-6

Six adjustable pads on a cross-bar allow lifting three boxes simultaneously. Photo shows lifting of three 90 lb. boxes totaling 270 lbs.

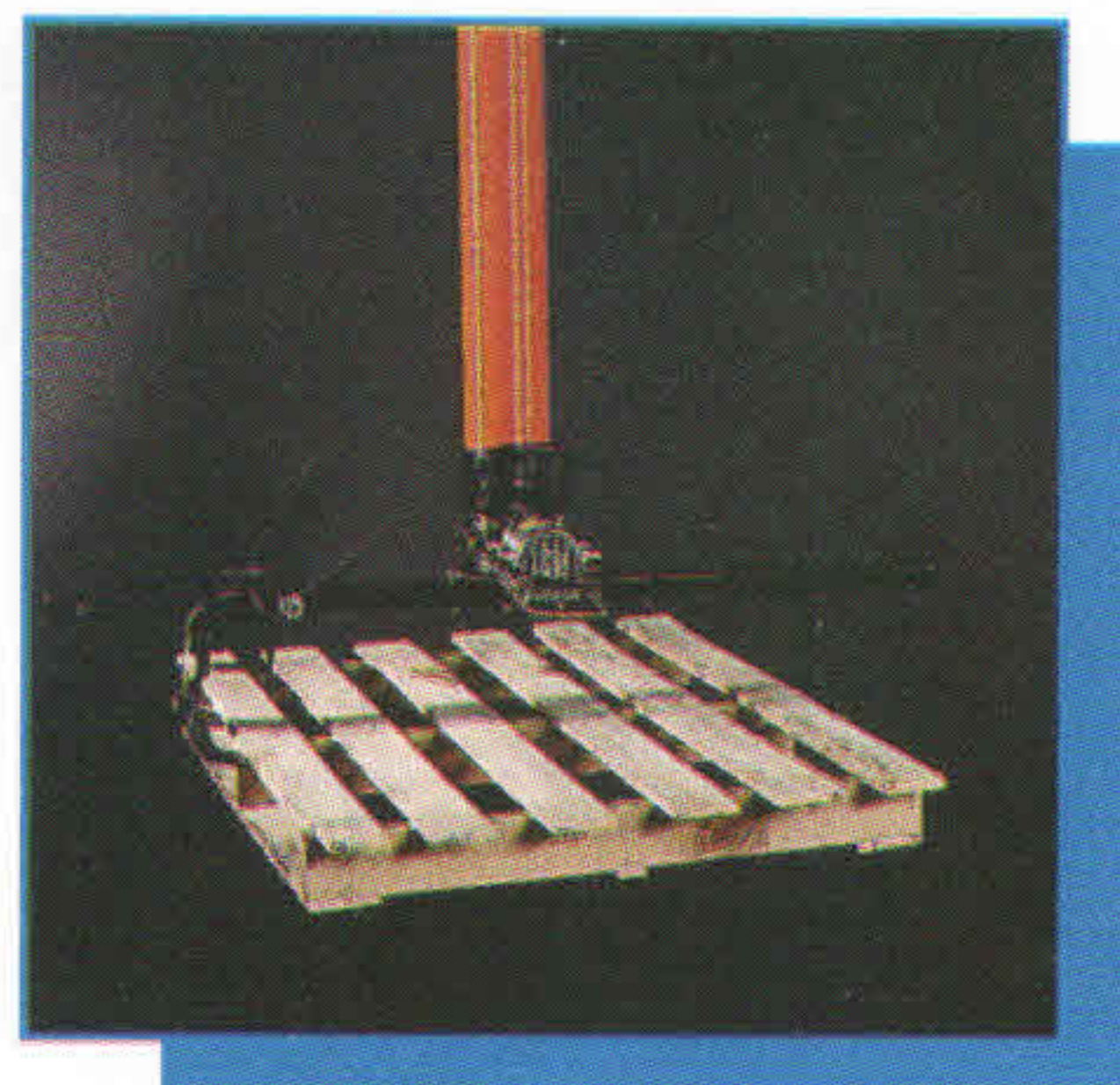
For use with VH160 models and larger.



### Pallet Lifter

Adjustable hooks on cross-bar allow operator to adjust for quick and easy grab of varied pallet sizes.

For use with VH160, VH180



### 10210-12P

Round suction foot with plug plate sized to seal roll core. Enables easy lifting of wide variety of rolls.

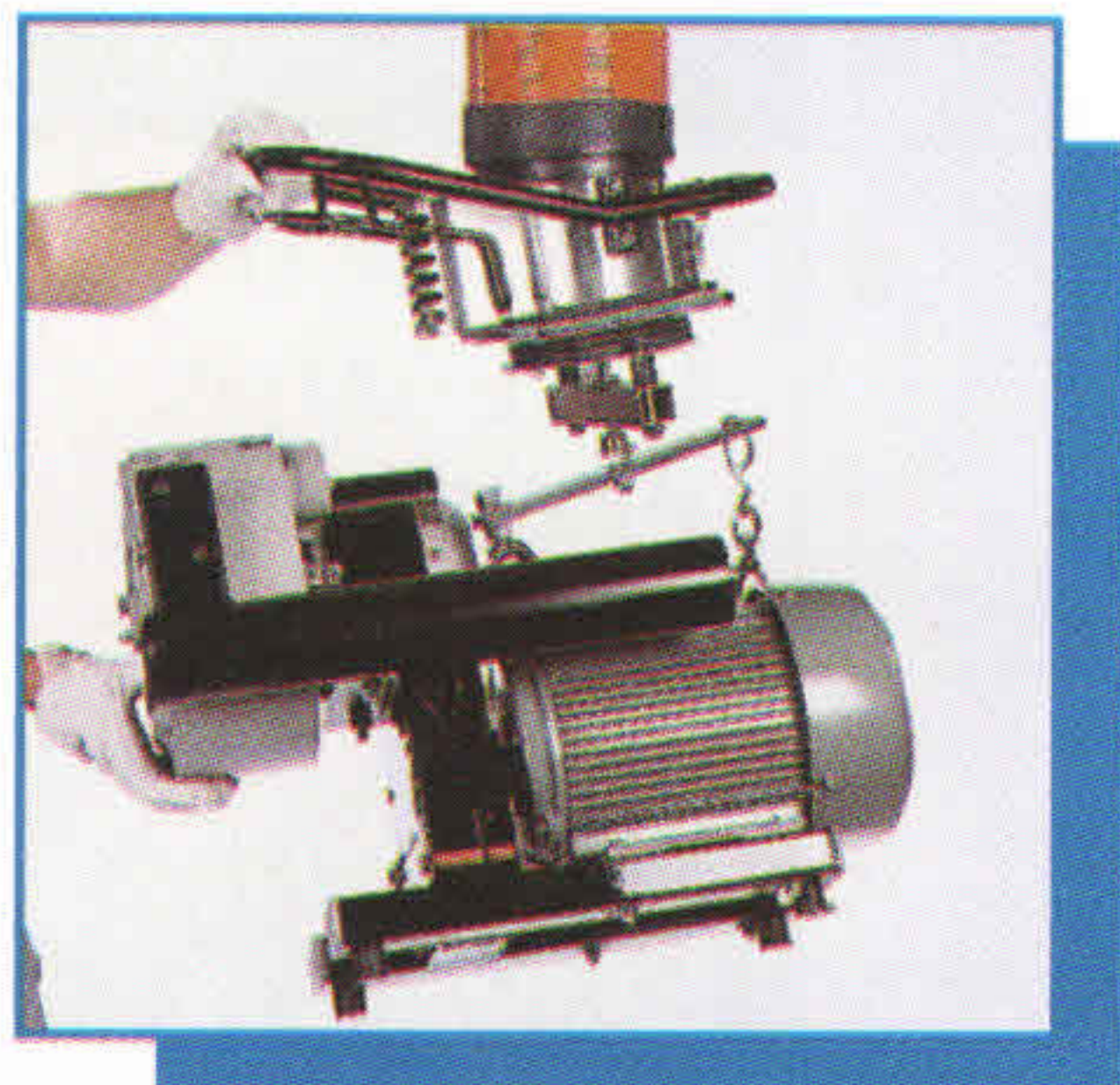
For use with VH160, VH180, VH180T



### 10450-1

Using VacuHoist's spring-loaded valve, this particular foot is designed to lift a 130 lb. motor compressor. Hook attachment can be styled for numerous applications where vacuum cups are not practical.

For use with VH160, VH180



### 30300S

Two mini bag geet are attached to spreader bar, giving flexibility in spacing. Shown lifting silicon blocks in plastic bags.



### 30710C

Lightweight model suction foot, custom-built to grab and lift on a curved surface. Can be designed for any diameter.

For use with VH120

