



# DONOVAN

MOLD HANDLERS / ROLLOVERS™

Flask & Flaskless Rollovers | Rollover Draw | Rollover Closers | Barrel Type Rollovers



Many standard sizes available  
Custom designed units are available in capacities over 50,000 lbs



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# Standard Flask Rollovers

**Donovan™** Standard Flask Rollovers are crane hung and designed to lift, move, rollover and close a specific size flask. These units have a self-contained hydraulics system for power and can run continuously without overheating. These rollovers enable fewer people to handle heavy molds with minimum effort, and reduce the chance of employee back strain or other costly injuries.

All units have push-button automatic leveling with a manual override. The hydraulic motor and heavy gear drive allows for positive clamping, even on loss of power. The trunnion shaft can be custom made to fit your system's flask. The F-Series is available as a crane hung and a gantry style, free standing unit (FS-Series) to fit your foundry needs.



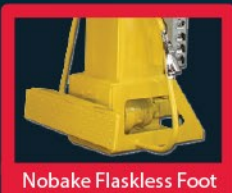
Model No.	Capacity	Typical Operating Envelope	Approx Weight
<i>(Ranges Available) Min Clamping x Max Clamping x Swing</i>			
2000F	2,000 lbs (907 kg)	30in x 42in x 30in (762 x 1,066 x 762 mm)	1,100 lbs (499 kg)
4000F	4,000 lbs (1,814 kg)	36in x 66in x 42in (914 x 1,676 x 1,066mm)	1,500 lbs (680 kg)
6000F	6,000 lbs (2,721 kg)	48in x 72in x 50in (1,219 x 1,828 x 1,270mm)	2,000 lbs (907 kg)
8000F	8,000 lbs (3,629 kg)	80in x 110in x 50in (2,032 x 2,794 x 1,270mm)	2,400 lbs (1,089 kg)
10,000F	10,000 lbs (4,536 kg)	76in x 123in x 45in (1,930 x 3,124 x 1,143mm)	2,600 lbs (1,180 kg)
12,000F	12,000 lbs (5,443 kg)	90in x 132in x 54in (2,286 x 3,353 x 1,372mm)	2,850 lbs (1,293 kg)



# Telescoping Rollovers

**Donovan™** Telescoping Rollovers are designed to handle a specific size range and weight capacity of flasks or nobake molds. These rollovers have all the same features as the F-Series standard rollovers, plus a telescoping leg to allow for the handling of a range of Flask or Flaskless molds.

The T-Series Rollovers are available in crane hung and gantry style, free standing units (TS-Series) to fit your foundry needs. Other sizes or capacities may be available upon request.



Nobake Flaskless Foot



Flask Foot

Model No.	Capacity	Typical Operating Envelope	Approx Weight
<i>Min Clamping x Max Clamping x Swing</i>			
2000 TF/TN	2,000 lbs (907 kg)	30 in x 50 in x 30 in (762 x 1,270 x 762 mm)	1,300 lbs (590 kg)
4000 TF/TN	4,000 lbs (1,814 kg)	50 in x 84 in x 42 in (1,270 x 2,133 x 1,066 mm)	1,700 lbs (771 kg)
6000 TF/TN	6,000 lbs (2,721 kg)	56 in x 96 in x 50 in (1,422 x 2,438 x 1,270 mm)	2,300 lbs (1,043 kg)
8000 TF/TN	8,000 lbs (3,629 kg)	76 in x 110 in x 50 in (1,930 x 2,794 x 1,270 mm)	2,800 lbs (1,270 kg)
10,000 TF/TN	10,000 lbs (4,536 kg)	90 in x 123 in x 45 in (2,286 x 3,124 x 1,143 mm)	3,300 lbs (1,497 kg)
12,000 TF/TN	12,000 lbs (5,443 kg)	90 in x 132 in x 54 in (2,286 x 3,353 x 1,372 mm)	3,300 lbs (1,497 kg)
18,000 TF/TN	18,000 lbs (8,165 kg)	70in x 125in x 60in (1,778 x 3,175 x 1,524mm)	

# Picture Frame Rollovers

**Donovan™** Picture Frame Rollovers are designed to handle large, narrow flaskless molds. These Hydraulic-powered mold rollovers are equipped with replaceable tip mold clamping pads and built-in hydraulics that can run continuously without overheating. The clamping pads are designed to clamp the molds along the long end of the mold to create the greatest clamping force without crushing the mold.

These rollovers are available in either Crane-hung (PF-Series) or Gantry Free Standing unit (PS-Series) configurations. Other sizes or capacities may be available upon request.



Model No.	Capacity	Typical Operating Envelope	
		Min Clamping x Max Clamping x Swing	
8000 PF	8,000 lbs (3,629 kg)	30 in x 40 in x 45 in	(762 x 1,066 x 1,143 mm)
10,000 PF	10,000 lbs (4,536 kg)	38 in x 66 in - 42 in x 68 in	(965 x 1,575 - 1,066 x 1,727 mm)
12,000 PF	12,000 lbs (5,443 kg)	Consult Factory	
15,000 PF	15,000 lbs (6,804 kg)	38 in x 110 in x 50 in	(965 x 1,575 - 1,066 x 1,727 mm)
20,000 PF	20,000 lbs (9,072 kg)	Other sizes available - Consult Factory	



# Barrel Rollovers

Barrel style rollovers are designed to manipulate mold halves/molds within a rigid frame fixed to the foundry floor or mounted on rails flush with the floor. These rollovers are custom designed to meet the needs of the individual foundry.

These units offer two primary advantages over a Crane-hung unit:

- Adaptable to automated mold handling lines
- Free up the overhead crane sometimes used for these mold handling functions.

Available Configurations:

- Rollover Draw
- Rollover Closer





## MOLD HANDLING & ROLLOVERS

Depend on the Vulcan/Donovan Team to take care all of your Mold Handling needs!

Our rollovers enable fewer people to handle heavy molds with minimum effort.

Controlled mold handling reduces the risk of damage during rolling and closing.

- Hydraulic powered Mold Rollovers
- Handles, rolls over, and closes molds
- Handles cope, drag, and complete molds
- Holds mold level – regardless of center-of-gravity
- Hydraulic cylinder moves suspension point trolley back and forth or at any desired angle.
- Manual and push-button leveling
- Hydraulic system can be run continuously without overheating. Components are selected for long, trouble-free operation.
- Installs easily on your hoist, monorail, jib, or bridge crane
- Self-contained hydraulics
- Long-wearing gear drive
- No belts or chains to maintain



### Accessible Controls

Controls on all Machines are easily accessible and protected behind the loop handles.



### Push-button Automatic Leveling

For more information, images and videos on Mold Handling visit our website and enter the address below.

<http://www.vulcangroup.com/products-2/manipulators>