



DONOVAN INDUSTRIES

● MOLD HANDLERS ● ROLLOVERS



- **BARREL TYPE ROLLOVERS**
- **NOBAKE ROLLOVERS**
- **FLASK ROLLOVERS**
- **ROLLOVER/CLOSERS**



VULCAN
ENGINEERING CO.

Expertise backed by experience!

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

- OUR ROLLOVERS ENABLE FEWER PEOPLE TO HANDLE HEAVY MOLDS WITH MINIMUM EFFORT
- REDUCES THE CHANCE OF EMPLOYEE BACK STRAIN AND OTHER COSTLY INJURIES
- 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 to Keep Machine Level, 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
- Holds Molds Securely in any Position for Setting Cores, Venting, Cleaning, and Closing
- Powerful Hydraulic Motor and Gear System Rolls Unbalanced Mold with Full Control
- 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

STANDARD FLASK ROLLOVERS →

- Fits One Flask Size
- Low Headroom Requirement



↑ TELESCOPING FLASK ROLLOVERS

Opens Hydraulically on Rollers to Fit Various Lengths

FLASKLESS (NOBAKE) ROLLOVERS →

- Similar to the Telescoping Rollover, with HARDENED Gripper Pads to Clamp the Mold • Comes with a Squeeze Indicator Gauge

↓ GANTRY TYPE ROLLOVER/CLOSERS

- Free-Standing Gantry Type Rollover/Closers can be stationary or mobile
- Mobile units can be placed on wheels so they can move along or between conveyor lines



The head section of some gantry rollovers can shift sideways to help line up the cope with the drag when closing molds. No balancing is required when holding a mold, which results in a much faster cycle time than most hoist-hung machines. Using these machines, one man should be able to close molds at the rate of one per minute regardless of mold size. Gantry units can also handle a larger range of mold widths, and can be automated. Air flotation closers are available.



SELF-CONTAINED HYDRAULICS ↑

SPECIFICATION SHEET

STANDARD ON ALL MACHINES:

230/460 volt 3 phase operation. Self-contained hydraulics. Push-button automatic leveling with manual over-ride. Hydraulic motor powered roll with heavy gear drive. **Positive clamping — even on loss of power.**

STANDARD FLASK ROLLOVERS

With trunnion shafts custom-made to fit flask trunnions

Model No.	Capacity	Typical Operating Envelope <small>MIN. CLAMP X MAX. CLAMP X SWING</small>	Motor	Approx. Weight
2000F	2,000 lbs.	30" x 42" x 30"	1 h.p.	1,100 lbs.
4000F	4,000 lbs.	36" x 66" x 42"	1 h.p.	1,500 lbs.
6000F	6,000 lbs.	48" x 72" x 50"	3 h.p.	2,000 lbs.
8000F	8,000 lbs.	80" x 110" x 50"	3 h.p.	2,400 lbs.
12000F	12,000 lbs.	90" x 132" x 54"	5 h.p.	2,850 lbs.

TELESCOPING FLASK ROLLOVERS

Custom-made variable length and trunnion shafts

Model No.	Capacity	Typical Operating Envelope <small>MIN. CLAMP X MAX. CLAMP X SWING</small>	Motor	Approx. Weight
2000TF	2,000 lbs.	30" x 50" x 30"	1 h.p.	1,300 lbs.
4000TF	4,000 lbs.	50" x 84" x 42"	1 h.p.	1,700 lbs.
6000TF	6,000 lbs.	56" x 96" x 50"	3 h.p.	2,300 lbs.
8000TF	8,000 lbs.	76" x 110" x 50"	3 h.p.	2,800 lbs.
12000TF	12,000 lbs.	90" x 132" X 54"	5 h.p.	3,300 lbs.

FLASKLESS (NOBAKE) ROLLOVERS

Custom-made variable length, "squeeze indicator"

Model No.	Capacity	Typical Operating Envelope <small>MIN. CLAMP X MAX. CLAMP X SWING</small>	Motor	Approx. Weight
1000N	1,000 lbs.	22" x 40" x 24"	1 h.p.	1,000 lbs.
2000N	2,000 lbs.	30" x 50" x 30"	1 h.p.	1,300 lbs.
4000N	4,000 lbs.	50" x 84" x 42"	1 h.p.	1,700 lbs.
6000N	6,000 lbs.	56" x 96" x 50"	3 h.p.	2,300 lbs.
8000N	8,000 lbs.	56" x 96" x 50"	3 h.p.	2,800 lbs.

GANTRY TYPE FREE-STANDING ROLLOVER/CLOSER/STRIPPERS

Model:	2000S	4000S	6000S
Capacity:	2,000 lbs.	4,000 lbs.	6,000 lbs.
Clamp Width:	18" - 48"	18" - 60"	24" - 72"
Swing Clearance:	30"	36"	42"
Pump h.p.:	5	7 1/2	10

Machines can be furnished to operate on 208, 230, 460, or 575 volt 3 phase power. A hydraulic-powered roller conveyor section is available at extra cost. Sizes and specifications shown above can be varied to suit your individual requirements.



- Custom Designed Units are available in Capacities over 50,000 Pounds!
- Specifications Subject to Change Without Notice.

Expertise backed by experience!