



# Herman Standard Molding

## Herman Jolt Machines

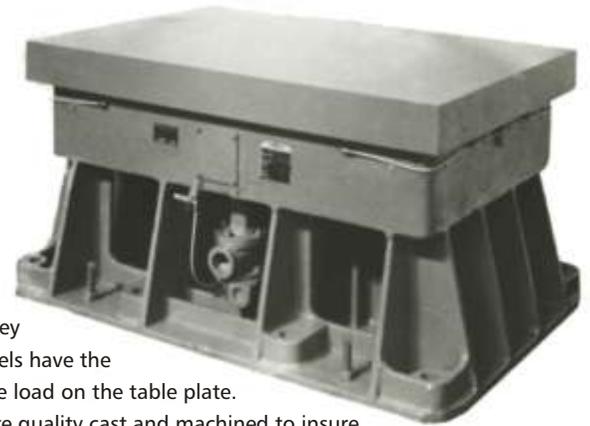
The Herman Jolt Machine is a heavy duty workhorse, which is ideally suited for many types of foundry operations.

It is available in 32 sizes from 1,000 pounds jolting capacity to 73,000 pounds, at 80 psi air pressure with table plates ranging from 20" x 22" to 8' x 12'.

The standard jolt is achieved at 80 psi: a nominal 2 inch stroke at 180 cycles per minute. The jolt valve is easily adjusted to obtain desired hardness of blow. And an electric timer is available to govern the period of jolting.

All models have wearing plates at the corner of the machine base to maintain alignment, and reduce wear at the cylinder and plunger to a minimum. They are easily adjusted to maintain proper alignment without disassembly. And all models have the Herman "Bunter Control" operating valve which proportions the amount of air to the load on the table plate.

The piston is extra long to reduce wear and improve performance and major parts are quality cast and machined to insure long service life and serviceability.



## Herman Jolt Rollover & Draw Machines

Herman Jolt Rollover and Draw Machines, which have been designed to produce perfect molds every time, provide efficient mold jolting, rollover and pattern draw operations - three functions in one machine. They are an assembly of two standard units: the Herman Jolt and the Herman Independent Rollover and Pattern Draw.

The jolt unit rams a hard, uniform mold because it strikes over the entire surface of the machine base. Hardness of jolt blow is adjustable and an electric timer is available to govern the jolting period. Exclusive Bunter control valve proportions amounts of air to the load on the machine.

The rollover and draw operation is powered by the Herman time-proven air-on-oil method, insuring a smooth operation. The spring-loaded equalizer is air locked during the draw operation and vibrators on the turnover plate are air locked during the slow draw of operation. Available flask clamps are air operated, spring return.

One special feature of the Herman Jolt Rollover & Draw Machine is that customers can select a daylight clearance that best suits their requirements. This is achieved with Herman's wide range of arms and extension lengths (at no extra cost).

The daylight clearance distance should be from one to two inches greater than the total height of the pattern board, pattern, flask and bottom board to allow for rollout clearance.

The seven basic models have nominal capacities of 750 lbs., 1500 lbs., 3000 lbs., 6000 lbs., 10,000 lbs., and 20,000 lbs. The first two models are high speed units; the other are heavy duty. In total, they provide 58 sizes of turnover plates and 332 rollover capacities.

On all rollovers except the 750 lb. and the 1500 lb. hi-speed units, various additional capacities can be obtained by the addition of booster cylinders.

Many engineering features have been incorporated in these machines to insure their performance under a wide variety of foundry operating conditions... and to meet the most rigid of production schedules.





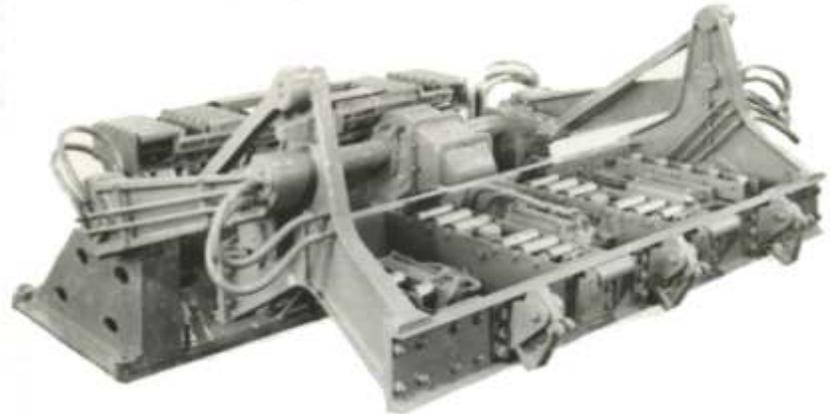
## Charging Conveyor Jolt Machines

Herman's Charging Conveyor Jolts are designed for use as a single unit or in conjunction with a Herman Charging Conveyor Rollover and Draw machine, or with regular Herman Rollover and Draw machines. They are available in 21 models with from 1,675 pounds jolting capacity to 73,000 pounds, at 80 psi air pressure, and with table plates ranging from 20" x 36" to 7' x 10'. Flasks or core boxes may be filled directly on the machine or at separate filling stations.



## Charging Conveyor Rollover Machines

These versatile rugged machines are available in a choice of 30 sizes and 211 capacities from 750 lbs. to 29,700 lbs. and draw clearances from 30" to 95.5" depending on machine size. They work equally well with either a jolt or a sandslinger. These machines are extremely flexible with each model capable of handling a large variety of mold sizes.



## Jolt Strippers and Independent Strippers

Herman Jolt Strippers are an assembly of the Herman double cylinder type Independent Stripper and the Herman Jolt. As an independent unit, they are available in 5 cylinder sizes and lifting capacities from 1600 lbs. to 43,000 lbs. They may also be used with almost any jolt. Herman Jolts are available in 32 models with compatible jolting capacities, and with table plates ranging from 20" x 22" to 8' x 12'0" in size. Single cylinder strippers with capacities from 3000lbs. to 20,000 lbs. are also available.

