



TIGER leads the Industry in Concrete Products Machine



MODEL S SERIES

The Model S series is designed to interchange with other block machine manufacturers. With small modifications the Model S series can use existing foundations, and back conveyor, front conveyor and molds. One of the highlights of this machine is the capability of producing a larger range of products from 60 mm high up to 215 mm high, which is derived from electro-hydraulic drive and quick mold change.



Model S-3 Concrete Products Machine Specification

1. Vibration:
Mold Vibration vibrator at each side of mold. Vibrator is driven by servo motor with V-belt.
Both, servo motors are synchronized by program. No brake, No clutch.
Revolution is variable during operation from 2,400 up to 3,200 rpm.
2. Table:
Solid thick Steel Plate mounted on rubbers which will produce better quality in solid product like pavers and retaining wall
3. Drive:
Table: one hydraulic cylinder (at center of table)
Compression Head: two hydraulic cylinders (one at each side)
Feed Drawer: one hydraulic cylinder (at center)
Pallet Feeder: Tooth Belt driven by frequency motor
Block Feeder: Tooth Belt driven by servo motor
Built-in Horizontal Core-puller (Option): one hydraulic cylinder
4. Feed Drawer:
Agitator: Shaker type agitator (Rotary Agitator is available at no additional costs.)
Feed Drawer Front Plate (Cut-off Plate): Standard type.
*If the existing is the old design, it can be updated.
5. Simple heavy duty base plate:
Flat top base plate to make cleaning easier.
6. Control Panel:
Includes;
-Programmable Logic Controller
-Color Graphic Screen
-Trouble shooting graphical screen
-Automatic feed control
-Shift (production) report
-Down time report
-Mold life report
-Error history
-Memory for 99 molding patterns
7. Required Electricity:
Total: 88 HP (66.1 kW)
8. Speed:
FOR YOUR REFERENCE ONLY:
Approx 6.0 seconds per cycle is the result of test run at TIGER MACHINE with 8" regular block mold and TIGER standard mix design.

Note: Speeds may vary pending product and material.
9. Mold Change:
Equipped with quick mold change.



Compression release from control panel.
Manual release of V-belts by hand.

Note: Estimated mold change time by 2 personnel:
Change without front plate and agitator changes: within 10 minutes
Change with front plate and agitator change: within 20 minutes
Height change: additional 2 minutes are required.

*Cleaning is not included in the total time of Mold Change.

10. Required Mold Modification for existing Besser molds as the example:
 - Require compression head plate for quick mold change for each high mold. Ideally each existing compression head should have this plate. One or two plates at each height should be sufficient.
 - Agitator wings are replaced by welding with TIGER's design but the existing grid itself can be used.
 - Pallet Guides are attached to the existing mold. "Please don't use the mold without pallet guide."
 - Vibrators are rotated to rear of mold.
 - No height pin change is required but the parts named table stoppers and compression head stoppers are prepared to each high product. S-3 has both stoppers for 7-5/8" high product as its standard parts.

For more detail, contact your contacts listed below.

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