



## Tiger Machine Company

### CONCRETE PRODUCT MACHINES PS SERIES ADAPTABLE & VERSATILE

The PS Series of concrete products machines is TIGER'S largest paver producing line of machines. The PS Series of paving machines are the most practical paver makers in the industry. They are offered for high production of paving stones units from as low as 30 mm and up to 150 mm in height. It is designed from the onset as a paver "board-style machine" there are no compromises or shortcuts in their design and effectiveness when making quality concrete pavers. They are truly "paver makers" and the products made from them meet the most rigorous product quality standards in the industry.

The PS Series are the most durable, reliable and consistent producers in the paving stone market, yet they are incredibly easy to operate and maintain. Similar to our own TG Series of masonry producing machines, one more feature of these machines is their automatic mold change system. This system is capable of making product mold changes in less than five (5) minutes for most products of the same type and height, and approximately 15 to 20 minutes for products of completely different height, size and configuration including height pins and cut-off plate change. Some molds can be changed in as little as three (3) minutes.

This Series of machines includes the models PS-50, PS-70 and the PS-100. The PS-50 is the smallest machine with a production surface area per pallet of 0.627 square meters (6.83 sq. feet). The PS-70 is the intermediate size machine with a production surface area per pallet of 0.814 square meters (8.865 sq. feet) and the PS-100 being the largest with a production surface area per pallet of 1.298 square meters (14.135 sq. feet) both capable of making many concrete products of the outmost quality and density,

The PS Series use medium hydraulic pressure for easy repair, lower costs components and safe operation. Also the PS Series can store multiple production operating configuration parameters in its PLC memory. They utilize a friendly touch-screen graphic operator interface. The control panel software has also electrical and system troubleshooting sub-routines, error history, automatic feed production reports and many other time saving and record keeping features. It is available with a movable face-feed drawer option for the manufacture of dual layer products that is intrinsically designed with the machine from its inception as part of it, and not as an after-thought.

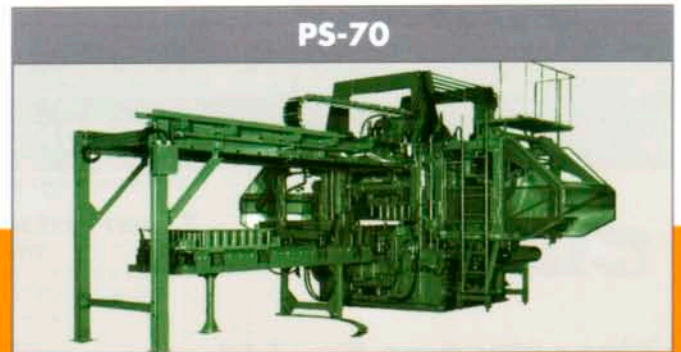
The model PS Series of machines are the most innovative and practical machines in their class and are capable to be installed with the largest variety of handling systems in the market for their size and production capacities.



**PS-100**



**PS-50**



**PS-70**

*Leadership through innovation.*

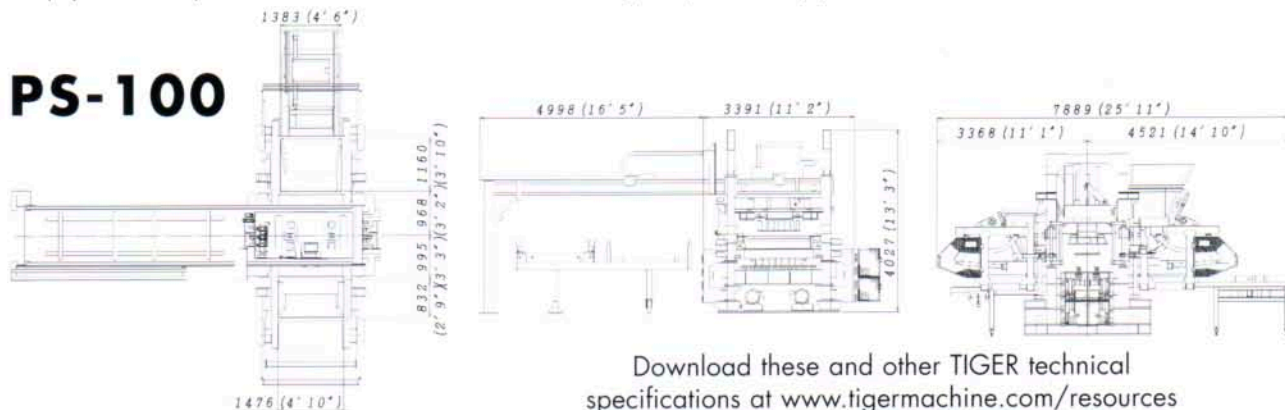


# TIGER

## PS SERIES SPECIFICATIONS & FEATURES

Please discuss your plant requirements with a TIGER representative. Our TIGER team of experts in the field of concrete product manufacturing are ready to assess your needs and provide the equipment that best suits your requirements. Let us help you identify the correct PS Series machine to fit your product applications.

### PS-100



Download these and other TIGER technical specifications at [www.tigermachine.com/resources](http://www.tigermachine.com/resources)

### PS SERIES CONCRETE PRODUCTS MACHINES - SPECIFICATION

| Available with:                                | PS-50                               | PS-70                               | PS-100                              |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Offbearing hoist system                        | N/A                                 | N/A                                 | N/A                                 |
| Rack loader & unloader systems                 | OK                                  | OK                                  | OK                                  |
| Rack transfer systems (CR or RTS)              | OK                                  | OK                                  | OK                                  |
| Pallet transporter systems (PTS)               | OK                                  | OK                                  | OK                                  |
| Single pallet handling systems (SPH)           | OK                                  | OK                                  | OK                                  |
| Cuber Systems                                  | OK                                  | OK                                  | OK                                  |
| <b>Features</b>                                |                                     |                                     |                                     |
| Vibrator motors - kW                           | 7.5 kW (10 hp) x 4 pcs.             | 7.5 kW (10 hp) x 4 pcs.             | 7.5 kW (10 hp) x 4 pcs.             |
| Pump motor - kW                                | 45 kW (60 hp)                       | 45 kW (60 hp)                       | 55 kW (75 hp)                       |
| Hydraulic pump - Liter Per Minute              | 141 liters (37.1 Gallons)           | 155 liters (40.7 Gallons)           | 190 liters (50 Gallons)             |
| Oil Cooling Fan/Heat Exchange Motor kW         | 0.4 kW (0.53 hp)                    | 0.4 kW (0.53 hp)                    | 0.4 kW (0.53 hp)                    |
| Hydraulic oil reservoir/Tank - Liters          | 450 liters (118.42 Gallons)         | 450 liters (118.42 Gallons)         | 750 liters (197.37 Gallons)         |
| Recirculating pump motor - kW                  | 2.2 kW (2.9 hp)                     | 2.2 kW (2.9 hp)                     | 2.2 kW (2.9 hp)                     |
| Recirculating pump - Liters per minute         | 138 liters (36.3 Gallons)           | 138 liters (36.3 Gallons)           | 138 liters (36.3 Gallons)           |
| Hydraulic system pressure - MPa                | 11/15 MPa<br>(1595/2175 psi)        | 14/16 MPa<br>(2030/2320 psi)        | 14/16 MPa<br>(2030/2320 psi)        |
| Compression head vibration                     | Standard - Pneumatic - Piston -Type | Standard - Pneumatic - Piston -Type | Standard - Pneumatic - Piston -Type |
| <b>Capacity</b>                                |                                     |                                     |                                     |
| Steel pallet size - mm                         | 978 x 660 x 12                      | 1100 x 790 x 12                     | 1300 x 1080 x 13                    |
| Steel pallet size - inches                     | 38.5" x 26" x .5"                   | 43.31" x 31.09" x .5"               | 51.18" x 42.53" x .53"              |
| Useable mold cavity - mm                       | 950 x 640 x 40-150                  | 1050 x 775 x 40-150                 | 1260 x 1030 x 40-150                |
| Useable mold cavity - inches                   | 37.40" x 25.18" x 5.90"             | 41.34" x 1.65" x 5.90"              | 49.60" x 40.56" x 5.90"             |
| <b>Productivity</b>                            |                                     |                                     |                                     |
| Average dry cycle speed in seconds             | 7.4                                 | 8                                   | 8.5                                 |
| Average wet cycle speed in seconds             | 13                                  | 13.5                                | 14                                  |
| Average cycles per minute                      | 4.62                                | 4.44                                | 4.29                                |
| <b>Concrete masonry units per cycle/pallet</b> |                                     |                                     |                                     |
| Holland-Stone Pavers - 10 x 20 cm              | 20                                  | 35                                  | 54                                  |
| Tri-Hexagon pavers 20 x 20 cm                  | 12                                  | 18                                  | 30                                  |
| Spanish Adoquin 22 x 24 cm                     | 8                                   | 12                                  | 20                                  |
| Uni-Stone 11 x 22 cm                           | 20                                  | 24                                  | 40                                  |
| Cobble Full 15.7 x 22                          | 12                                  | 24                                  | 40                                  |
| Uni-Décor Std 13 x 22 cm                       | 15                                  | 24                                  | 40                                  |
| Cobble-Stone 15 x 22 cm                        | 16                                  | 16                                  | 30                                  |
| <b>Dimensions &amp; Weight</b>                 |                                     |                                     |                                     |
| Weight   | 16000 kg (35200 lbs)                | 17500 kg (38500 lbs)                | 24000 kg (52800 lbs)                |
| Machine size (W x H x L) - mm                  | 3010 x 3850 x 7380                  | 3100 x 3850 x 7770                  | 4300 x 4030 x 7900                  |
| Machine size (W x H x L) - inches              | 118.5" x 151.5" x 290.5"            | 122.04" x 151.5" x 305.90"          | 133.75" x 158.5" x 311"             |

### JOIN THE CONCRETE REVOLUTION!

TIGER reserves the right to change, discontinue or improve product design and specifications without prior notice.



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