

Performer



compact & cost-effective
vacuum | thermoforming



new!
Performer
series

applications

- Small plastic parts fabrication
- Precision forming applications
- Embossed signage
- Display & fixture component forming
- As a stand-alone machine or production cells within assembly line
- Simple—complex forming operations
- Prototyping—high-volume runs
- Training machine
- Environments requiring a small footprint machine

The PVI **Performer** is a powerful, yet highly compact thermoformer developed specifically for smaller-scale plastic product, parts and sign fabrication.

The plug-and-play **Performer** series features 3 machine sizes, 2x2', 3x3' and 4x4', manual through fully automated operation, and single or twin heaters. PlastiVac also offers numerous accessories, including plug assist, roll feeders, plastic cutters and more, to custom-configure the **Performer** to best suit your application, or to expand machine capability as the need arises.

Engineered for tight process control, the **Performer** is ideal for precise forming applications, simple through complex operations, high-volume runs, as a stand-alone machine or as production cells integrated within larger assembly systems. The **Performer** is also a cost-effective solution for manufacturers seeking to expand product offerings and/or minimize outsourcing.

Call PlastiVac for more information and to discuss your specific application!

Series specifications next page.

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PlastiVac, Inc.

vacuum | **thermoforming** solutions since 1962

PVI Performer Series Specifications

Manual System – push button controlled		2'x2' PF-M	3'x3' PF-M	4'x4' PF-M
Item	Description	Specification	Specification	Specification
Manual = M	Performer vacuum forming machine with complete Vari-Frame system. Vari-Frame technology includes all frames required to fit sheet sizes from 1'x1' up to the nominal size in 12" increments front to back, and fully adjustable left to right. Standard machine features include:	(2) 1' bars; (2) 2' bars; manual	(2) 1' bars; (2) 2' bars; (2) 3' bars; automatic	(2) 1' bars; (2) 2' bars; (2) 3' bars; (2) 4' bars; automatic
Platen	Platen Size = Max. Forming size	24"x24"	36"x36"	48"x48"
Clamping Frame	Clamping frame size (plastic sheet size)	27"x27"	39"x39"	51"x51"
	Depth of draw	12"	15"	18"
Sheet thickness	Max sheet thickness with a single heater	1/4"	1/4"	1/4"
Electrical	Choice of 50 or 60 hertz, and 220/380/480 voltage. Please specify hertz/voltage when ordering machine.	yes	yes	yes
Single Heating System = S	Oven is equipped with ceramic infrared heating elements and multiple heat zones as indicated. Heat zones can be added or deducted when placing the order.	Z4	Z8	Z16
Vacuum System	Indicated volume/gallon vacuum system with tank, pump, relief valve, vacuum gauge, built-in starter switch.	22 Gallon	44 Gallon	66 Gallon
Cooling Fans	High velocity cooling fans	1	1	2

PLC Package Upgrade – added onto above machine		2'x2' PF-A	3'x3' PF-A	4'x4' PF-A
PLC = A	Siemens PLC controlled machine with touch screen for operator interface, including a diagnostic screen for fault detection. The program required to accommodate a plug assist is already built into the PLC. If a plug assist is required in the future, it can be installed "plug and play". The PLC is capable of holding hundreds of process recipes that can be recalled as needed.	Standard PLC upgrade package	Standard PLC upgrade package	Standard PLC upgrade package
Thermocouple	Every second heat element has a thermocouple to pre-set element temperatures. The temperature of each zone can be set and monitored on the touch screen.	Standard in package	Standard in package	Standard in package
Blow-Off	Automatic blow-off to assist de-molding. The amount and time of air can be programmed via the touch screen.	Standard	Standard	Standard
Pyrometer Sensor	Pyrometer sensor to measure sheet temperature. The machine will bring the sheet out of the oven at a preset temperature.	Standard	Standard	Standard

Optional Equipment – for PLC package upgrade		2'x2' PF-A + option	3'x3' PF-A + option	4'x4' PF-A + option
Roll Feeder = RF	Roll feeder includes roll stand, trimming unit and table. Plastic is fed from the roll, then manually cut on the provided table.	Optional	Optional	Optional
Heat Zones = Z	If more zones are desired than the standard number indicated on each machine listed above, zones can be added/deducted.	+/- \$750/zone	+/- \$750/zone (specify as Z+ total # of zones)	+/- \$750/zone
Modem = MO	Modem can be built into PLC to remotely troubleshoot the PLC program.	Optional	Optional	Optional
Twin Heating System = T	Second heating system sandwiched below the plastic line to heat thick-gauge plastic sheets, configured same as top heater. Note: doubles sheet forming capability to up to 1/2" thickness.	Optional	Optional	Optional
Plug Assist = PA	Plug Assist unit is easily mounted onto above machine. The plug's pneumatic cylinder (2" bore) has a stroke of 18" and is activated either by pushing a button (on manual machine) or cycling automatically with the automated version. The required program is pre-integrated on all Performer series PLCs for plug & play connection. Includes a blow off for easy de-molding.	Optional	Optional	Optional

For sample configurations, custom engineering, pricing and lease/purchase options, call PlastiVac at: 800.432.6328 • 704.334.4728