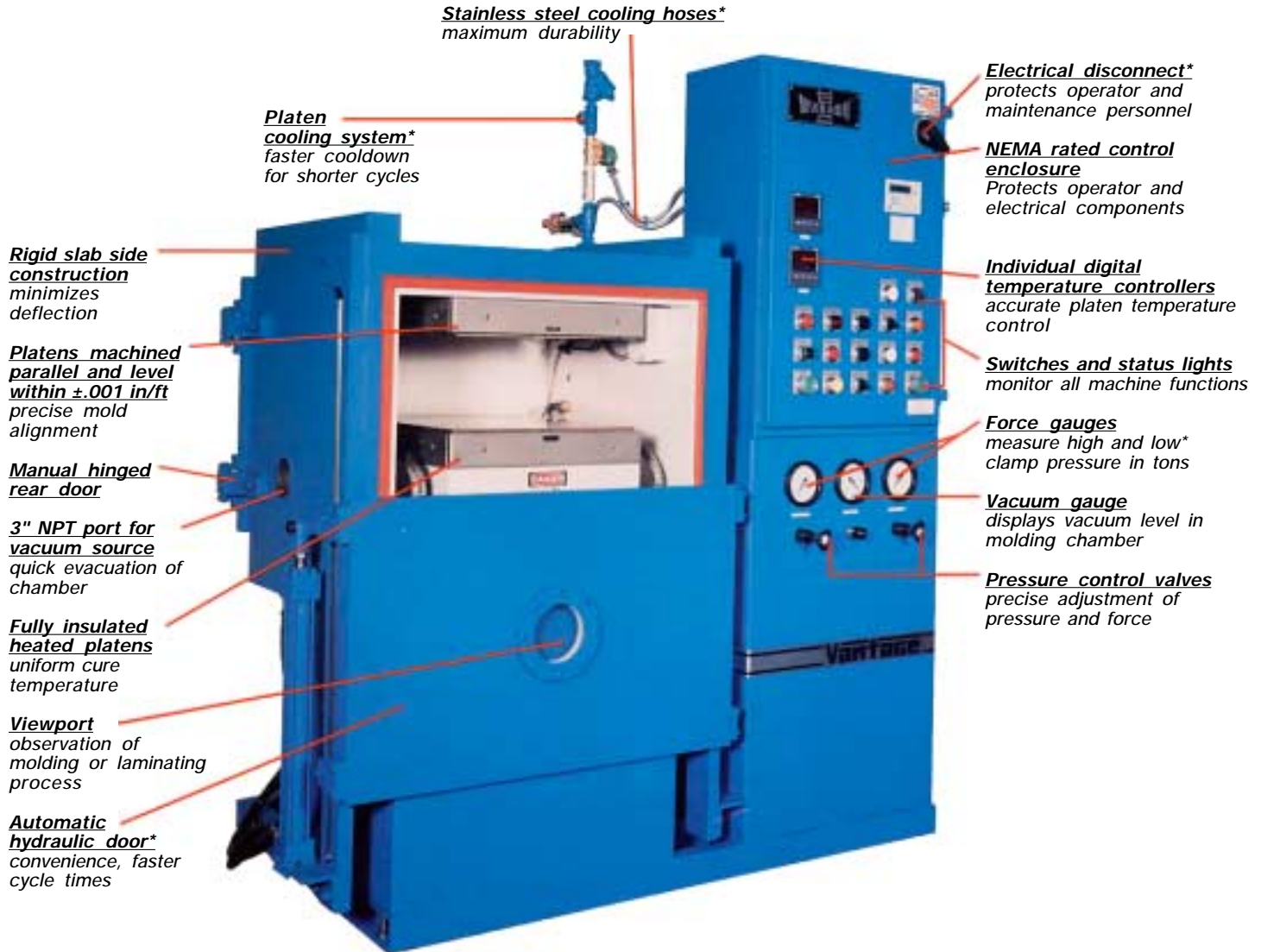


Vantage Series Vacuum Presses

Vacuum chamber molding and laminating presses increase quality and production



Compression molding or laminating on a press equipped with a vacuum chamber pays off in faster production, higher qual-

ity and reduced scrap parts. Surrounding the workpiece with a vacuum removes heated gases, trapped air and harmful vapors from the part, thereby eliminating defects. The WABASH line of vacuum presses parallels our standard Vantage presses from 50 to 150 tons of clamp force. The Vantage II

presses range from 200 through 600 tons of clamp force. They incorporate the quality construction and performance features of the standard WABASH presses plus a versatile and efficient vacuum chamber design that lets you take full advantage of the benefits of vacuum operation.



30 to 600 ton capacities ■ Options provide versatility
Larger and custom engineered presses available



Quality Vantage and Vantage II Presses with t

TEFC electric motor
efficient operation and long life

Air cooled heat exchanger*
eliminates need for cooling water

Hydraulic oil gauge and thermometer
monitor condition and hydraulic system

Large oil reservoir
reduced operating temperature

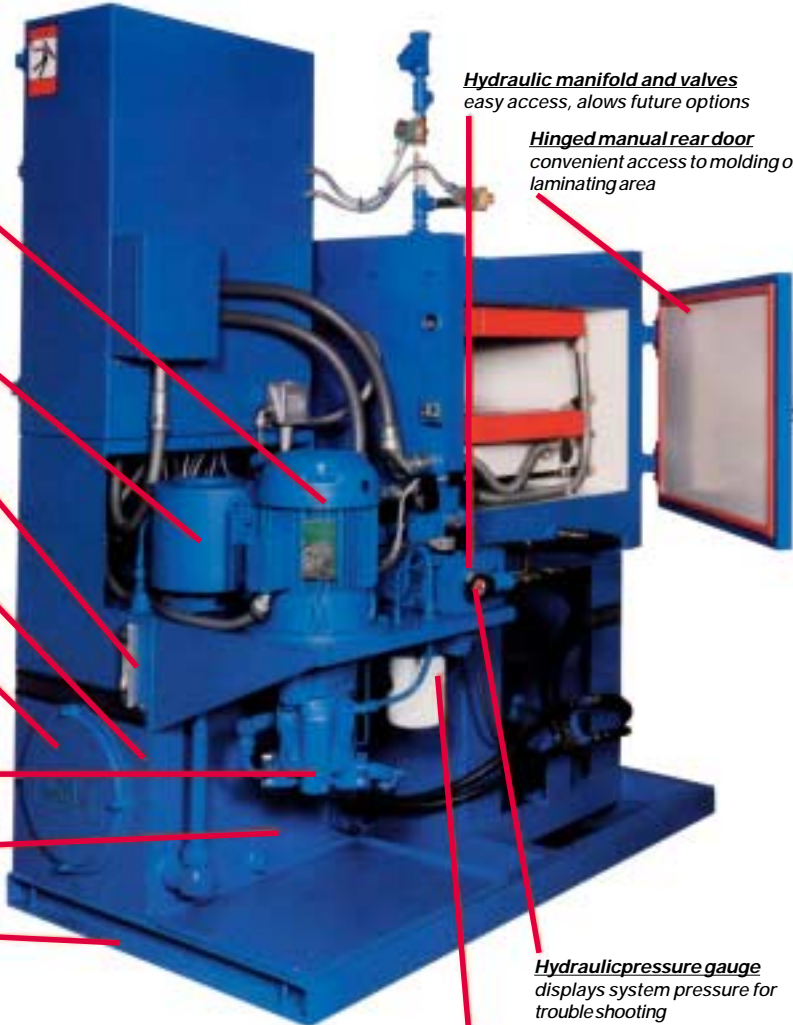
Large access door
ease of maintenance

Load sensing pump
improved efficiency

Tail pump*
additional press functions

Rigid unitized steel base
easy installation

* indicates optional equipment



Hydraulic manifold and valves
easy access, allows future options

Hinged manual rear door
convenient access to molding or laminating area

Hydraulic pressure gauge
displays system pressure for troubleshooting

10 micron cartridge filter
protects hydraulic system from contaminants



A 3-inch NPT port for vacuum source connection is standard. You have the option of an integral, built-in vacuum system consisting of an air cooled, rotary vane vacuum pump sized to your specific requirement.



Alternatively, you can choose the free-standing rapid draw-down vacuum system which can be used to operate more than one machine at a time. A vacuum is held in the tank between cycles, ready to quickly evacuate the chamber of the next machine when it reaches the proper point in its cycle.



Custom presses and larger machines are available. Press shown is a 400 ton down acting Vantage press with 36" x 32" heating platens. It is equipped with automatic hydraulically operated chamber doors and a lower platen shuttle for quick loading and unloading. A remote vacuum system evacuates the chamber during operation.

Options customize standard press to your needs

You benefit from the many options that let you tailor a WABASH press to fit your application. When molding certain composites, higher platen temperatures are required. You can choose platens capable of temperatures to 1200°F.

Equip your WABASH vacuum press with multiple daylight openings, worktables, cooled platens and material handling systems, depending your your productivity objectives.

Select the control option that best fits your task.

Standard control package includes a programmable con-

troller and access module. Options include a controller for programmable temperature and pressure cycles or the DataTrend® computer-based controller for storage of mold parameters and data logging.

This flexibility affords the opportunity to capitalize on optimum cost-effectiveness with the most machine for a minimal investment.

WABASH vacuum presses feature a heavy-duty slab side construction which forms the four walls of the vacuum chamber. Manually operated hinged doors on front and rear seal to create a vacuum environment during operation.

Hydraulically operated automatic front and rear doors can be specified as an option for speed and convenience.

Precision ground platens are parallel and level to ±.001 in/ft.

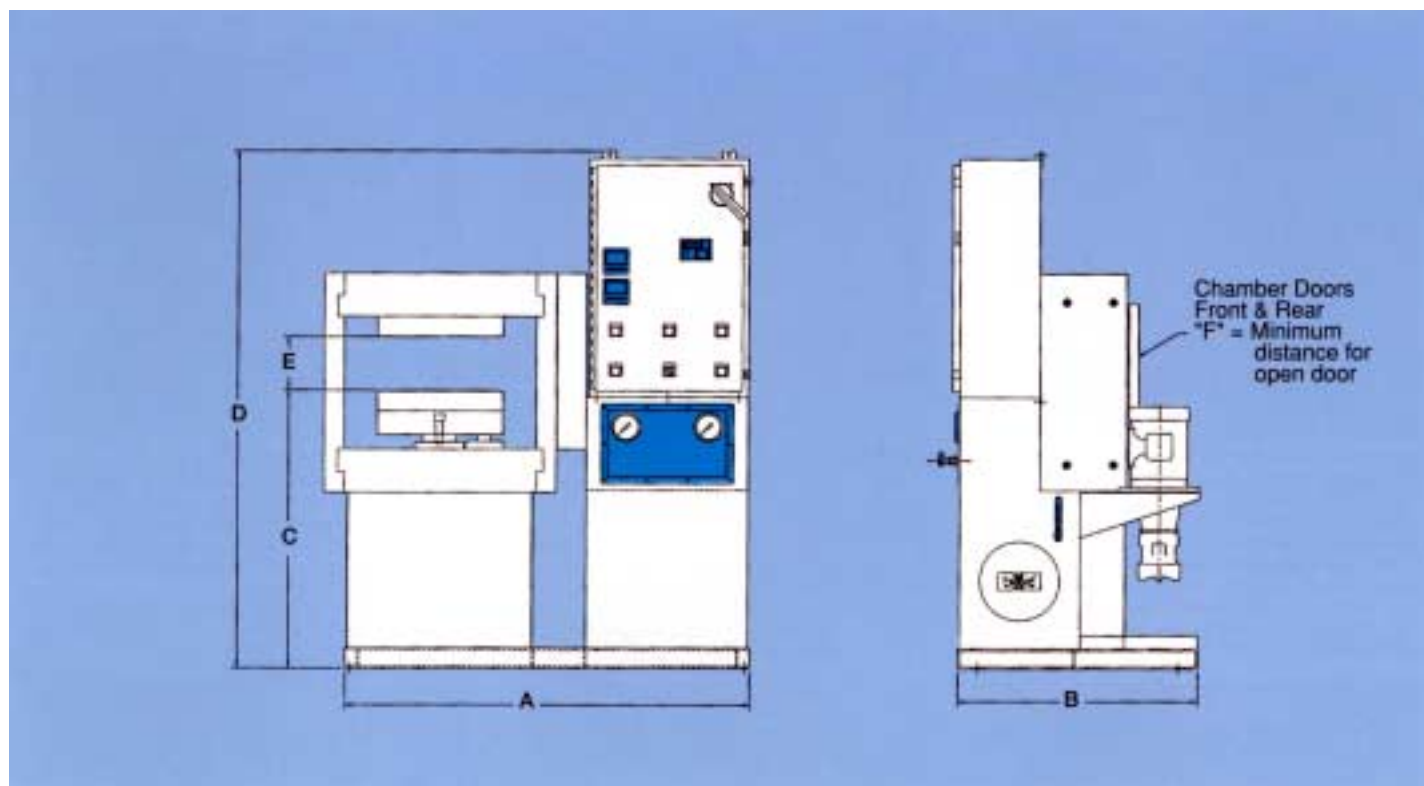
Heavy slab construction minimized deflection.

Self-contained hydraulic system includes an efficient load sensing, variable volume, pressure compensated pump, hydraulic oil reservoir with sight gauge, thermometer and a clean-out door.

Standard Features

- Standard platen sizes from 15" x 15" to 36" x 36"
- Electrical characteristics: 460/3/60
- Daylight openings to 24"
- Integral hydraulic system featuring load sensing pump
- Drip pan under hydraulic unit
- 80 dBA or less noise level
- Water cooled heat exchanger
- PLC control system with access module, pressure gauge and "anti-tie-down" circuit
- Electrically heated platens to 650°F.

The added productivity of vacuum during operation



Standard Specifications for Vacuum Molding Presses

Model	Clamp Force (tons)	Cyl. Bore (in)	Clamp Stroke (in)	Platen Size (in)	Platen Heat (kW)	Speeds (ipm)			Motor Horse-power	Amps @ 460	Dimensions (in)						Weight (lbs)
						Close	Press	Open			A	B	C	D	E	F	
GS30-15	30	5	12	15x15	10.8	70	5	75	3	20	50	37	40	70	12	26	3,700
VS50-15	50	7	12	15x15	10.8	75	5	80	5	25	64	36	42	78	12	30	4,500
VS50-18	50	7	12	18x18	16.0	75	5	80	5	35	64	36	42	78	12	30	4,900
VS50-2418	50	7	12	24x18	20.0	75	5	80	5	40	70	36	42	78	12	36	5,500
VS50-24	50	7	12	24x24	27.0	75	5	80	5	50	70	36	42	78	12	36	6,100
VS75-18	75	8	12	18x18	16.0	100	5	80	7.5	40	64	36	42	78	12	30	5,000
VS75-2418	75	8	12	24x18	20.0	100	5	80	7.5	45	70	36	42	78	12	36	5,600
VS75-24	75	8	12	24x24	27.0	100	5	80	7.5	50	70	36	42	78	12	36	6,400
VS100-18	100	10	12	18x18	16.0	60	5	55	7.5	40	68	36	42	78	12	30	5,500
VS100-24	100	10	12	24x24	27.0	60	5	55	7.5	50	74	36	42	78	12	36	6,800
VS100-3024	100	10	12	30x24	32.4	60	5	55	7.5	60	80	36	42	78	12	42	8,100
VS100-30	100	10	12	30x30	43.2	60	5	55	7.5	75	80	36	42	78	12	42	9,600
VS150-24	150	12	12	24x24	27.0	75	5	60	10	55	74	36	42	78	12	36	7,800
VS150-3024	150	12	12	30x24	32.4	75	5	60	10	65	80	36	42	78	12	42	9,000
VS150-30	150	12	12	30x30	43.2	75	5	60	10	80	80	36	42	78	12	42	10,400
S200-24	200	14	16	24x24	27.0	75	5	80	20	70	78	42	44	80	16	36	13,000
S200-30	200	14	16	30x30	43.2	75	5	80	20	90	84	42	44	80	16	42	15,600
S250-24	250	16	16	24x24	27.0	80	5	50	20	75	78	42	44	80	16	36	13,800
S250-30	250	16	16	30x30	43.2	80	5	50	20	95	84	42	44	80	16	42	16,000
S300-30	300	16	16	30x30	43.2	80	5	50	20	80	84	42	45	80	16	42	16,800
S300-36	300	16	16	36x36	61.4	80	5	50	20	100	92	48	45	80	16	48	19,600
S350-30	350	18	16	30x30	43.2	45	4	60	20	85	84	42	45	80	16	42	18,000
S350-36	350	18	16	36x36	61.4	45	4	60	20	105	92	48	45	80	16	48	23,500
S400-30	400	20	16	30x30	43.2	60	3	80	20	90	84	42	45	80	16	42	21,500
S400-36	400	20	16	36x36	61.4	60	3	80	20	110	92	48	45	80	16	48	24,800

Start with the press you need—configure it for your job

WABASH Vacuum Press Options give you design flexibility



Optional Control Systems

Add user-friendly controls as needed. Among the options available are: Through-the-door circuit breaker, low pressure system, linear control of clamp position and clamping speeds. A programmable controller for ramping of temperatures and pressure cycles is also available. This can be used to program any number of automatic bumps ("breathes") with preset dwell times before, between and after, as required.



DataTrend® Computer-based Control System

The DataTrend package is a self-contained computer capable of programming all press functions and data gathering needs. Integrate your presses for CIM, plant automation and/or SPC. Choose the CPU, RAM capacity and hard drive capacity to fit your application. Includes 14" VGA monitor, 1 parallel and 2 serial ports and external 3.5" diskette drive. Graphically portrays programmed and actual operating parameter, including temperature and pressure.



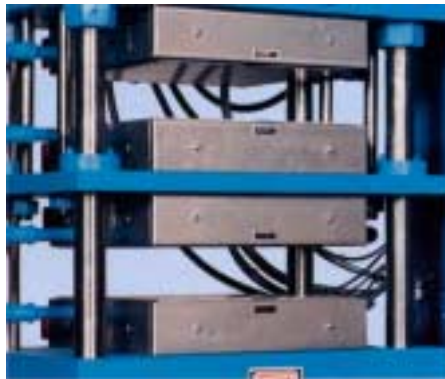
Multiple Openings for Laminating

Vantage Series Vacuum Presses are available with multiple daylight openings for laminating applications, such as multi-layer printed circuit boards, flexible circuit boards and LCDs. Platens operate at the same temperature, and can be cooled, if required.



Platen Heater Monitoring

Individual ammeters for each heating zone can be provided. Options also include additional heating zones in plates, as well as mold heaters.



Multiple Daylight Openings

Additional daylight openings can be provided for improved productivity. More than one mold can be processed per cycle, even at different cure temperatures. Other productivity improvement options include shuttles, work tables, and automated loading and unloading systems.



Automatic Doors

Optional automatic hydraulically operated doors can be specified for the front and/or back. This saves time and space, while improving productivity.

Optional Features:

- High speed hydraulic system
- Air-cooled heat exchanger
- WaterSaver valve for heat exchanger
- Down-acting clamp
- Low pressure system
- Pressing speed control
- Adjustable fast close control
- Hydraulic part ejector
- Counter-balanced cylinder
- Additional daylight openings
- Digital display of force
- Electronic force control
- Data-Trend® computer-based control system
- 1200°F electrically heated platens
- Electrical disconnect
- 7 day timer for heaters
- Cycle counter
- Extra heat zones in platen(s)
- Audible or visual alarms
- Temperature controller and plugs for mold heaters
- Mold protection package
- 220, 380 or 575 volt operation
- T-slots or tapped holes in platen for mold mounting
- Vacuum pump package
- Automatic hydraulically powered door(s)

Rely on WABASH presses for every need

For over 50 years WABASH MPI has met the challenge of designing and manufacturing standard and special presses for industry worldwide. All WABASH presses are completely manufactured in the U.S.A. Parts and service are readily obtainable and support and information are available locally through our network of representatives. Ask to see installations of WABASH presses in your area. Consult us to discuss all of your molding requirements. We also manufacture 15 to 300 ton C-Frame and 15 to 450 ton four-post injection molding machines for thermoplastics and elastomers, Compression molding machines, Transfer molding machines, C-Frame molding machines and Die-cut and Trim presses. For more information on any of our equipment see your WABASH MPI representative or contact our office.



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