

Technical specification

		175 BS.V.	230 BS.V.	300 BS.V.	400 BS.V.
Clamping Unit					
Clamping Force	kN	1750	2300	3000	4000
Moving platen stroke	mm	500	600	700	800
Daylight	mm	500	600	700	800
Frontal distance between tie -bars	mm	600	700	800	900
Heating platens					
Dimension	mm	500x500	600x600	700x700	800x800
Max Temperature		230° C (Higher temperatures on request)			
Temperature distribution:					
Standard Platens		± 5° C			
Three zones platens		± 3° C			
Flatherm platens		± 1° C			
Temperature control		By means of an analogical card PID function			
Vacuum chamber					
Vacuum chamber stroke	mm	200	250	300	350
Vacuum pump delivery	mc/h	110	150	200	300
Power installed					
Motor-pump	kW	7,5	11	15	15
Heating platens	kW	5+5	7,2+7,2	10+10	12+12
Vacuum pump	kW	2,2	3	4	5,5



Persico S.p.A. | Terenzio Presse via Vasvecchio, 6/b - 24027 Nembro (BG) Italy
 Phone: +39.035.4531611 - Fax: +39.035.4531612
 info@terenziopresse.com
 www.persico.com | www.terenziopresse.com

Presses BS.V.
 Compression moulding under vacuum of rubber technical articles

PRESSES BS.V



Press 400BS.V
platens 800x800
with vacuum chamber
and ejection side bars.

TERENZIO presses of BS.V. Series are robust machines, designed for the moulding under vacuum of rubber technical articles.

The tie-bars design with a down stroking movement, make these presses very ergonomic: in fact the operator can easily work without the need of any platform.

The building design with "floating" tie-bars and the generous dimensioning of the mechanical parts ensure respectively a parallelism and a level of rigidity able to satisfy the most critical requirements in the moulding of technical articles.

All the moulding process is rigorously kept under control

thanks to a hydraulic and electronic plant of high performances:

Speed and pressure are controlled in close loop by means of a servo pump with electronic integrated which ensure high precision, excellent repeatability, energy saving and a higher speed of decompression with as consequence a reduction in cycle time when it includes degassing.

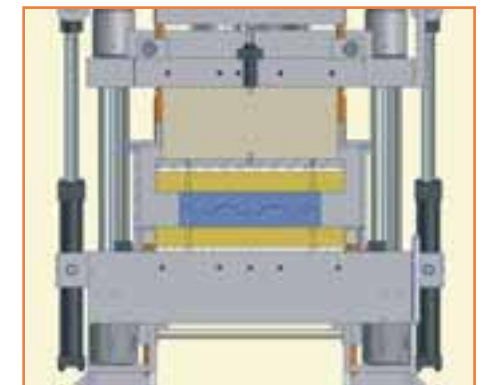
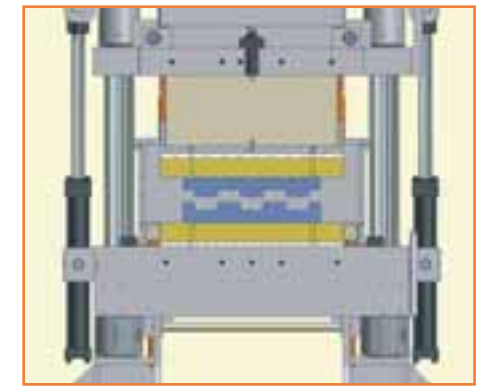
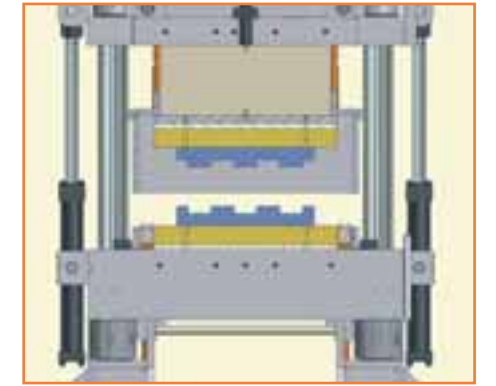
The temperature of the platens is controlled by means of an analogical card with PID function, and other than the traditional electric platens, are available platens divided in three heating zones (uniformity $\pm 3^{\circ}\text{C}$) and, for the most demanding requirements, FLATHERM platens with uniformity of $\pm 1^{\circ}\text{C}$

The Terenzio's vacuum chamber offers the following advantages:

- > Possibility to mount any mould without the need of modifications
- > Total access to the heating platens
- > Exhaust of the air from the mould cavities before the rubber flow begins within them.
- > The vacuum persists even during the degassing cycles easing the exhaust of the gas generated by the rubber curing.
- > Shorter rubber curing times thanks to a reduction or elimination of the degassing.
- > Reduction of scraps thanks to an elimination of the superficial defects due to the presence of gas
- > Gaskets for the dynamic sealing located away from the heating source, thus long lasting.
- > The dynamic gasket makes the sealing on a round spacer and ensuring an excellent sealing and thus a high vacuum degree (up to 95%).
- > Possibility to connect the vacuum box either to a dedicated vacuum pump or to a centralized vacuum network (if already installed in the factory).

Are available a number of auxiliaries able to equip the machines as following:

- > Side ejectors (inside the vacuum chamber) for the movement of the mould middle plate.
- > Pre-arrangement for the moulding with "transfer" and "cold transfer" technology
- > Front exit of the bottom platen, with or without external ejector.
- > Tilting of the upper part of the mould to aid the demoulding and cleaning operations.
- > Central ejector
- > Safety light curtains
- > Electric platens Flatherm with temperature distribution of $\pm 1^{\circ}\text{C}$.
- > Magnetic platens



Detail of bottom sliding platen,
top tilting plate, side ejection bars.