



## TECHNICAL SPECIFICATION

### BSP SERIES OF BLISTER SEALING PRESS

Ridat BSP series of Blister Sealing Presses are designed to meet a wide variety of requirements, from small batch production to fast high output line operation.

These include manual and automatic carousals, conveyor sealers and bridge type shuttle press for sealing heat sensitive coated card and film onto pre-formed blisters.

#### Machine capacities

Model	1006BSP	1012BSP	1518BSP	2518BSP	3624BSP
Sealing area (in)	10 x 6	10 x 12	15 x 18	25 x 18	36 x 24
(mm)	250x150	250x300	375x450	635x450	900x600
Depth		3" (76mm)			
No of stations	2	2, 4, 5 & 6	2, 4, 5, 6 & 24	2	2

These machines essentially consist of a C-Press frame, which are robustly build and simple to maintain. Their strong construction guarantees positive, evenly distributed pressure and evenly distributed heat for effective sealing

**Electrical system** consists of a heated platen with cartridge heating elements and a thermocouple probe to maintain the temperature usually at 150°C. An adjustable dwell timer for sealing is fitted on all the machines in the series.

*In the automatic versions, a microprocessor is fitted so that each process stage has individual time-delay and duration controls.*

Additionally the rotation of the table is powered by a drive motor and its speed is controlled by using inverter.

There are also switches for the heater and for start, with lamps to indicate heater is ON and power is ON.

**Pneumatic System** incorporates proprietary brand control valves with ISO standard cylinders, serviced by a filter and Pressure regulator assembly. A pressure gauge is fitted at the front of the machine.

**Sealing Table** is of Aluminium construction with recessed pockets for the sealing jigs.

On the manual rotary models, the stations are progressed by rotating the table while in the automatic version has powered movement. A torque limiter is fitted.

In the Bridge Press version, the sealing table has a push-pull operation.

NOTE: TABLE STATIONARY TIME = DWELL TIME + SEALING TIME



## TYPICAL PERFORMANCE

	No of stations	Max No. Of operators	No of cycles per minute
Bench Sealing press Model 1006, 1012 & 1518	2	1	2 - 3
Rotary Sealing press Model 1012 & 1518 – Semi Auto	4	3	4 - 6
Rotary Sealing press Model 1012 & 1518 - Auto	4	3	6 - 8
Conveyor Sealing press Model 1518	24	6 - 8	10 - 12
Bridge Sealing press Model 2518 & 3624	2	2	2 - 3

## GUARDING

Machine guarding is in accordance with the recommendations of the U.K. Health & Safety at Work Act and the whole system conforms to Machinery Directive 06/42/EC, Low Voltage Directive 06/95/EC and Electromagnetic Compatibility Directive 04/108/EC to harmonized standards. The machine will be CE marked in accordance with current European legislation and a Certificate of Conformity will be provided as part of the standard documentation

## PROPRIETRY COMPONENT SPECIFIED

Pneumatic Cylinders & Values	Festo/SMC
Heating Elements	Hedin International
Control switch-gear	Siemens / Moeller
For automatic version	
Geared Motor	Electro-power
Inverter	ABB
PLC	Mitsubishi

## BRIEF TECHNICAL SPECIFICATIONS\*

MODEL		Semi Automatic				Automatic		
		1006	1012	1518	2518	1012	1518	1407CE
Platen size	in mm	10 x 6 250 x 150	10 x 12 250 x 300	15 x 18 375 x 450	25 x 18 635x450	10 x 12 250 x 300	15 x 18 375 x 450	4 x 7 350x175
Depth	mm	76	76	76	76	76	76	76
No. of stations		2	2 or 4	2 or 4	2	2 or 4	2, 4, 5, 6, 24	44 (or choice)
Automatic option		None	None	None	None	Card placer & pack removal		
Power Usage	kw	1.3 1P	2.5 1P	4.5	6.1	3.0	5.0 / 5.1CE	5.9
Air Usage	lit/cycle	0.5	0.5	2.5	7.8	0.5	2.5 / 5.0 CE	17.0
Temperature	°C	0 - 250 (usually runs at 190)						
Floor area	cm	59 x 76	71 x 90	132 x 107	81 x 114	95 x 102	140 x 165 538x686-CE	choice
Height	cm	58	140	140	178	140	140	140
Weight	kgs	80	102	375	442	102	375	512

\*The above figures should be taken as typical example only; complete specifications will be supplied on request  
Standard power supplies are 415 V 50 Hz phase 4 wire.