

## Saxon sealer SB2000 Validatable

- The machine has been designed for use in the sectors (medical, pharmaceutical, high end quality food products, chemical ...) where a validatable and calibrated seal is required. The customer will be able to record all the set parameters relating to the sealing of the bag.
- The “Saxon SB 2000 Validatable” sealer uses the principle of heat transfer by conduction where fixed heating elements heat the bags by direct contact through a pair of bands. These bands have high thermal conductivity and move in synchronisation with transport belts.
- The “Saxon SB 2000 Validatable” sealer features 6 heater blocks which are individually controlled by a PID with digital readouts. The heaters have a validatable pressure controlled by pneumatic cylinders
- The PID is incorporated into the PLC, accessible through the human interface (HMI) control panel
- Bag feeding will not be possible until the required temperature and correct pressure to the cylinders are reached, therefore ensuring a seal that is produced within the pre-defined values
- The VFD (variable frequency drive) speed controller is incorporated into the HMI control panel



**Saxon SB2000 Validatable**

FISCHBEIN S.A.

Paepsem Business Park, Boulevard Paepsem 8, B-1070 Brussels, Belgium

Tél : +32-2-555.11.70 • Fax : +32-2-520.33.90 • E-Mail : sales@fischbein.be

Website : [www.fischbein.com/eastern](http://www.fischbein.com/eastern) • TVA/BTW : BE 401.889.806 • RCB/HCB : 264.230

KBC Bank: IBAN: BE04 4324 0126 8131 • ING Bank: IBAN : BE39 3100 8258 8819

## Characteristics:

- Power supply: 240 V, 3 Ph
- Power of heaters: 2000W
- Maximum current: 10,5A
- Temperature control: 6 PIDs
- Speed: 6,2m/min to 14,1m/min
- “Protection” gate preventing bag feeding + alarm + alert message to ensure the validatability of the sealing process
- Seal width: up to 14mm
- Finish: Stainless steel 430 construction
- Vortex cooling
- HMI (human interface) control panel
- PLC (programmable logic controller)
- IP54 version (IP66 not available)

The set parameters will refer to a large number of elements:

1. Seal temperature setting
2. Seal temperature reading
3. Speed setting
4. Speed reading
5. Pressure setting
6. Heater blocks pressure setting (acting upon the bag before the pressure wheels)
7. Pressure wheel pressure setting (acting upon the bag before exiting the sealer)
8. Alarms
9. Band break
10. Bag counter
11. Heater failure
12. Calibration point for independent verification of temperature
13. Identified password for each operator
14. Parameter changes to the sealer by an authorised person. Password protected
15. Download the daily production to a USB stick
16. Possibility of a vision system to check the seal pattern/date codes printed onto the bag

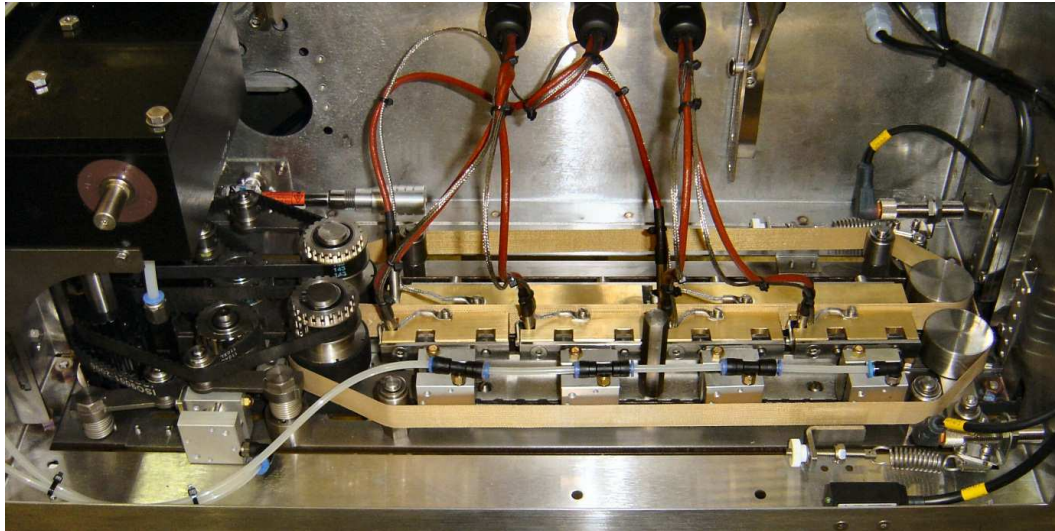
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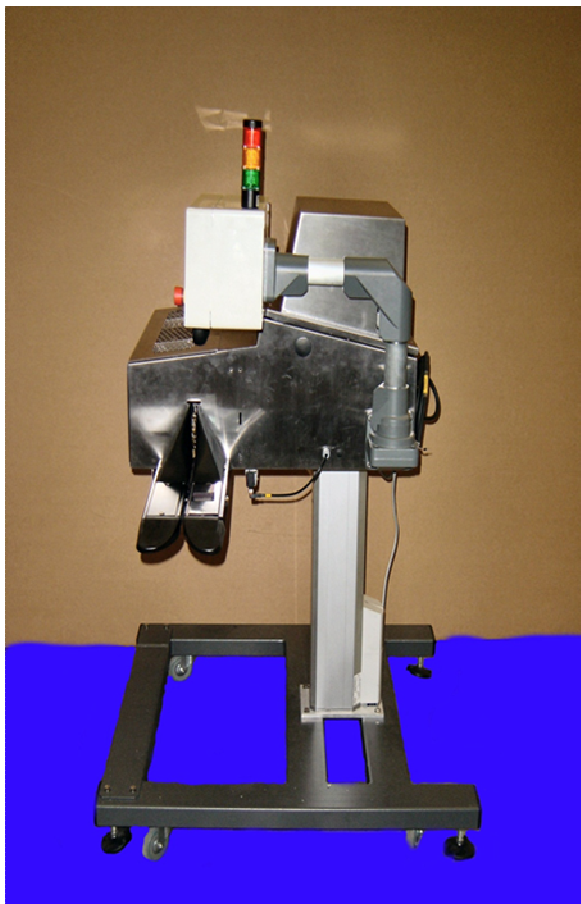
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**Saxon SB2000 Validatable: internal view**



**Saxon SB2000 Validatable: side view**

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