



Auto Heat Sealer

BT600A is designed to ensure highest precision battery heat sealing with state of the art numerical controlled heating and sealing operation.

CNC machined heavy duty machine frame provides longer service life with high accuracy. Lid picking, container lifting and heat platen are all individually driven by servo drive for fast and precision heat sealing process.

QUICK OUTLOOK

- Servo controlled drive
- Numerically controlled heating and sealing
- Integrated safety measures
- Up to 3 batteries a minute (single head)
- Proven precision processing
- Comprehensive technical documentation and efficient after-sales support

Chain driven battery conveyor is equipped with battery feeding device, battery stopper and fixing units. All conveyor guides are coated with specially anti-scratch tape.

Main heating platen is made of specially treated stainless steel for longer service life and consistent operation. Mirrors are made of special alloy aluminum. Heating platen motion is supported by a unique linear drive system for accurate and reliable drive.

Easy and fast lid holder changeover with self setting stopper integrated into each lid holder tool. Slow rising of lid holder and container lifting after lid and container heating is available to eliminate material sticking on the mirror.

BASIC FEATURES

- Compact design with heavy duty frame for high precision battery processing
- PLC controlled processing parameters for better control and supervision of machine operation
- Servo controlled heating and sealing allowing separate process timing for both
- User friendly and simple setup and changeover features

Digital temperature controlling of the heat platen. Separate heating times available both for lid heating and container heating to eliminate material variation effect on the heating process.

Numerically ensured sealing process to achieve highest precision heat seal finishing. Fast movement and closer run-back distance of heat platen, lid holder and container lifting to eliminate rapid cooling effect on the heated pp material. Numerically and instantaneous adjustable sealing depth allows quick intervention to the process parameters.

Fast and easy heat platen changeover through machine rear side integrated rotary tool change device with preheating feature. Push button activated device allows rapid battery type changeover in couples of minutes.



Fume ventilation hood provided machine frame top for environmentally friendly operation. Machine is also equipped with aluminum profile glazening with polycarbonated doors for safety standards. Visual alarm is provided at the machine front side.

OPTIONS

- Mitsubishi PLC and servo drive
- Double head configuration
- Motorized infeed conveyor
- Spare part set
- Networkable PLC
- Stainless steel mirror
- Oversize battery processing

Siemens HMI for operating controls provided at the machine front side operator panel. Processing parameters of each battery types to be stored in recipe to allow easy and quick battery type changeover. All machine settings and production data can be tracked via touch screen panel.

AVAILABLE SERVICES

- Full English documentation in hard and soft copy
- Installation & commissioning
- Remote access PLC support
- Phone support
- On-site service support
- 12 month warranty

Machine is capable to process up to three batteries a minute with a single head configuration. Typical changeover time (with standard version) is 5 minutes.



TECHNICAL DATA

Battery Types	: All SLI automotive size batteries.
Capacity	: Up to three batteries a minute (with single head)
PLC	: Siemens S7
HMI	: Siemens TP170 series
Servo Drive	: SEW
Pneumatic	: Festo / SMC
Electric	: 220/380V – 3 Phases – 50/60 Hz.
Installed Power	: 42 Kw
Compressed Air	: 6 Bar – 1 cbm/hr (clean and dry air)
Typical Weight	: 1.900 Kg (uncrated)