

BT600A-D

HEAT SEALER



TOP PRECISION HEAT SEALING

Available for wide range 1x6 cell battery processing up to 5 batteries a minute. Unique changeover features with smart designs and automation.

UPGRADE YOUR

VISION

STAY WITH THE LATEST

Explore prodigious opportunities unveiled and grab the chance to attune your capabilities to the ultimate battery assembly technology.



FAST
DELIVERY



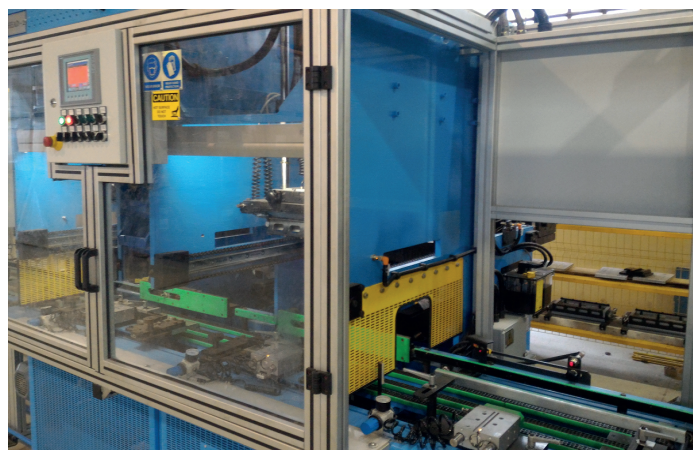
EXPERT
CRAFTING



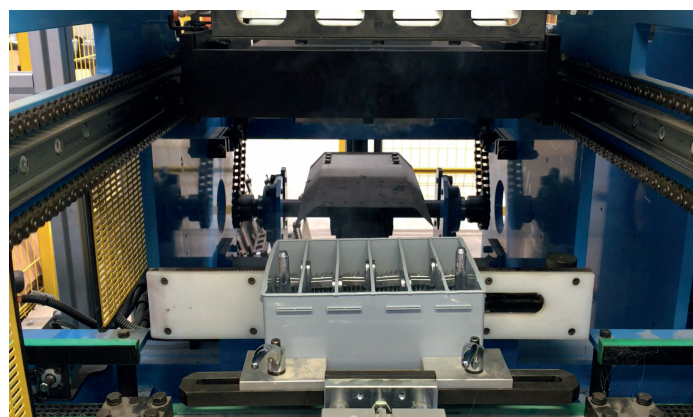
PREMIUM
SERVICES

HEAT SEALER

BT670A-D is genuinely a precision heat sealing machine with highest flexibility in the market. The machine comprises two individual heat sealing stations with separate mirrors, lid holders and box lifting units. Each station can be independently operated with dedicated parameters. It is integrated with easy and simple changeover features which ensure rapid battery type change capability with remarkable cost efficiency.

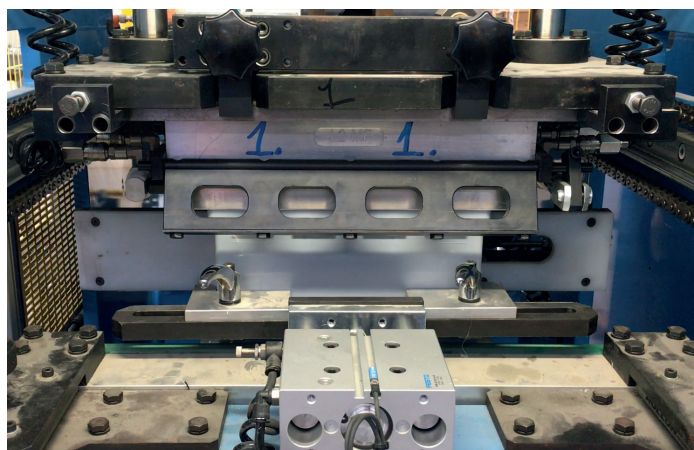


Compact and rugged construction to guarantee precision heat sealing operation throughout long service life. Powder coated body with fume ventilation hood. Twin station design each with mechanically independent individual motion control, settings and tools. Chain drive battery conveyor with anti-scratch guides and individually pressure controlled battery fixing devices. Battery entry stop & go device integrated to facilitate trouble free battery feeding. High flexibility offered by availability of single station operation. Simple and reliable changeover facilities integrated to enhance machine efficiency. Self setting tool design for easy and fast tool changeover. Precision manufactured and hot tested tools.



Three axis servo driven heat sealing operation; box lifting, lid holding and mirror. Ultra precision numerically controlled heat sealing finish. Separate duration assignment for lid and box heating. Secure coordinate assignment for all axes to ensure short delay before heat sealing - lesser cooling effect on heated parts. Multizone temperature control for mirrors. Heater failure control for all heaters. Solid state heater control for precision PID temperature control. Socket connection for heaters and thermocouples.

BT600A-D



Stainless steel main heat platen with high quality split sheath heaters, which ensures unsurpassed service life. CAD designed and CAM machined aluminum alloy mirrors. Lid holder fitted with lid pickup detection and with unique design pickup mechanism for precision processing. Quick couplers for compressed air and electric connection provided for lid holders. Pneumatic lid holder fitting system for easy and fast changeover.

Double side squeezing system for heat sealing operation to augment heat seal bonding quality. Automatic lubrication for servo drive guides with refeed alarm. Tool preheating and changeover station for easy and fast battery type switch.

Safety guardings and polycarbonated front doors are integrated. Machine fitted main electric cabinet. Separate machine attached heaters control box. Machine is available both LH or RH operation, and can process.

TECHNICAL DATA

Electric: 220/380V - 3P -50Hz (or as required)
Power: 78 KvA
Compressed Air: 3 cbm/h @ 6Bar
Fume Ventilation: 1900 cbm/h
Operator: None with auto lid feeding
PLC: Siemens S7
HMI: Siemens
Pneumatics: Festo / SMC
AC Motors: SEW Eurodrive
Servomotors: SEW Eurodrive
Control Voltage: 24V DC



Siemens operator interface in English providing recipe building, motion control settings, manual buttons, diagnostic, alarm definitions, production figures as well as real time supervision of temperatures.

The machine is supplied with comprehensive English documentation comprising operating instructions, sub-suppliers documentation, part lists and CAD drawings, pneumatic diagram, electric diagram and I/O list. Documentation is provided both in soft and hard copy.

AVAILABLE OPTIONS:

Battery infeed conveyor.
Stainless steel mirrors.
Auto lid feeding machine integration.
Mitsubishi PLC & HMI.
Spare part set.

Heaters: Dalton Electric
Heater Conduction: Solid state relays
Heater Control: Current transducing
Temperature Control: PLC based analogue card
Battery Sizes: JIS (B20-E41) DIN (L0-L5)
Typical Changeover: 5 minutes
Max. Capacity: 5 batteries/min.
Networking: Available
Remote Access: Available
Standard Weight: 2400 Kgs
Crate Dimensions: 190Wx300Lx220H cm