

MODEL 1830S ALL ELECTRIC MEDICAL DEVICE TRAY SEALER

OVERALL STANDARD FEATURES

- Heat Sealing Area - 18 in. X 30 in. (45.7cm x 76.2cm)
- Tool height opening 4.5" max; others on request
- Servo driven press assembly. Sealing measured in lbs-force. No air pressure.
- Auto Shuttle System; electrically operated SINGLE clear anodized aluminum shuttle for extremely smooth cycle, single speed with gentle acceleration and deceleration of shuttles. Interlocked with light curtains for safe platen operation. Includes stainless steel side guards over the shuttle shafts & non-lube linear bearings.
- Light curtain horizontally/angled oriented across protected tool loading area. Class 3 OSHA, ISO13849, ISO13857 compliant with separate safety circuitry and controller. Keyence light curtain system integrated to press servo drive and electric shuttle motion circuit for operator access safety. Any light curtain violation will require the cycle to re-home and start over. Eliminates the standard Optitouch hand sensors and is replaced by single green push button to initiate the entire cycle. Includes Short Cycle alarm and acknowledgement screen for interrupted press cycle.
- Emergency stop (1), Banner; red-yellow meet CE, UL, CSA, OSHA, ISO13850
- Single push button (1) cycle start; green.
- Heating Elements - 480v (only), Flat 1" heat plate w/internal heaters, 6000W
- Seal Platen – precision machined Aluminum, Dupont Teflon Silverstone coating is included
- Electrical Requirements - 480v, 3ph required
- Sealing Force adjustable to 10,000+ pounds, Servo driven press with accurate repeatability.
- Precision stationary nickel plated steel surface base plate for correct rigid support of tooling & shuttles
- Floor Space – 45"W x 55"L (114cm x 140cm); no wasted space compared to carousels
- Machine mounted non-mar casters w/height adjustment
- Rigid welded 3/16" steel tubular framework w/special powder coat paint; White standard. NEMA 12 controls enclosures.
- Components compliant with IEC 60204-1, CE/CSA/UL as applicable to touch protection.
- Stainless steel physical operator guarding on auto shuttle system. Guarding meets OSHA 1910 sub-part O, 1910.145, EN415-1 & -3.
- Stainless steel shelving at operator eye level for convenient staging of packaging materials.
- Quick change lift off tooling shuttles to provide versatility and productivity; includes SS locator pins for tooling plates. Includes extra shuttle plate mounting holes to fit standard AV 15:18 tooling (2) on each shuttle as well as our standard 18:30 tooling. Clear anodized shuttle surfaces.
- Weight - 1490 pounds, built to be rugged, durable (not made of angle and sheet metal), check the weight/sq. in. of seal area on other brands.

STANDARD CONTROLS FEATURES:

- Mitsubishi PLC FX3u
- Beijer 10" color touch screen operator interface terminal (OIT-HMI); stores multiple recipes, requires ID/PW sign-in for Operators.
- Eye level controls and touch screen on swing arm.
- On-screen programmable Time and Temperature controls w/alarm limits is standard
- Individualized operator (optional), supervisor/engineer or calibration unique sign in ID/PW for assigned access levels
- Odometer and resettable cycle counter
- USB port for off load of data.
- Powered USB ports (2) for barcode scanner (not included) entry of UDI, sign-on, etc. Manual input on screen permitted also.
- Data Logging memory of all sign-on access, recipe changes and UDI as well as process data per each cycle. Memory accessible for manual offloading only. No edits permitted.
- Capability to match recipe with barcoded tooling and barcoded device/paperwork during setup of production
- Redundant automatic heater over temperature safety cutoff control circuit, Factory Mutual approved controller, 300F cutoff standard
- Electronic process monitoring with temperature & down-force sensor fail-safe alarms for parameter recipe settings, PW protected.
- Four (4) dual lead special grade thermocouples for control feedback & accurate individual temperature displays on OIT while providing signals to calibration ports for simultaneous reading.
- Individual thermocouple calibration connectors (4). On screen calibration of each (4) thermocouples.
- Alarm screen detail history list on screen and in memory.
- Low profile Banner multi-color signal light for recipe parameter alarms
- Pressure regulation w/precision manual adjustment & liquid filled precision gauge as well as on screen digital reading.
- Timer calibration connector (1) 24vdc signal
- Eye level controls on swing arm.
- English units of measure readouts only

Owner's manual (1 copy) with operation instructions, maintenance information, recommended spares list, schematics, Atlas Vac calibration document and Atlas Vac PLC programs on USB flash drive. Sealer is ready for operation upon connection to electric power. Any additional FAT, or other documents and procedures, may require additional charge based on scope and hours needed to complete.

Tooling nests not included, quoted separately.

18:30 OPTIONS AND ACCESSORIES:

1. Stainless steel framework, welded 3/16" rectangular tubing, includes stainless steel controls cabinets (2), bridge, bridge supports and other guarding if not already SS on standard configuration (special option, add 2-3 weeks).

4/2/20