

BT690

LID PLACER



A GENUINE LID FEEDING WIZARD

Pick and place gantry unit with 5 servo drives offering reliable lid placing. Rotary lid magazine up to 200 lids capacity ensures lesser refeed interval than any competition. Standard machine comes with post aligning unit.

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



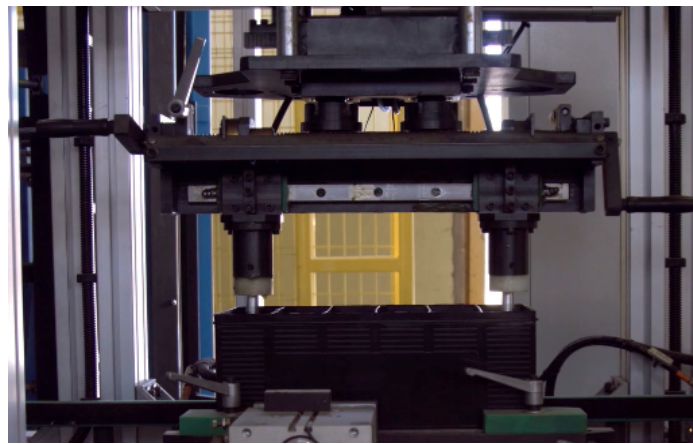
EXPERT
CRAFTING



PREMIUM
SERVICES

LID PLACER

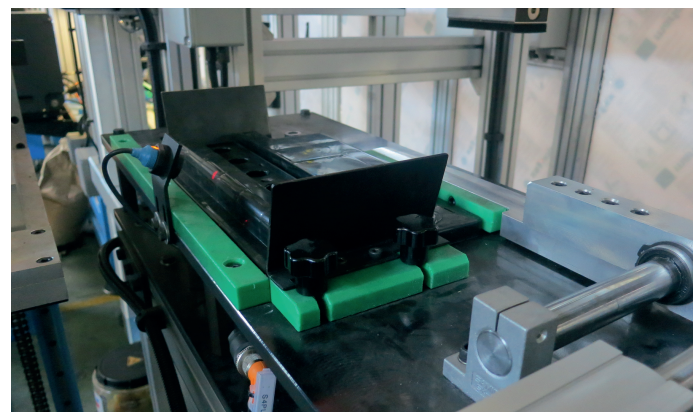
BT690 is a truly a pick and place wizard for automatically feeding battery lids. The machine is only available for 1x6 cell batteries. Approved lids designs are smoothly and reliably placed onto batteries at a speed up to 6 batteries a minute.



The machine is able to process most of 1x6 cell battery lids with custom designed pick up heads. Machine is integrated with a stop & go device for feeding batteries into the machine. Chain driven conveyor is accompanied with easy set battery guides.

Post aligning unit incorporated before lid placing to ensure that posts are well centered for smooth lid placing. Easy and quick setting features for post aligning unit.

Optionally posts can be automatically lubricated during aligning. Volume and duration of lubrication can be adjusted by HMI.



Battery lids are handled by means two independent servo driven pick and place units. Each units has its own parameters configured through HMI.

One of handling units picks lids at the lid magazine and transfers them into lid aligning unit where all lids are precision aligned for smooth lid feeding. After alining of the lids, another handling unit picks the lids and then feed them onto batteries. Changeover of aligning table is done by means of dedicated tools.



Rotary lid storage magazine has 6 lid storage units all of which can be centrally adjusted in width and length. This facilitates battery type changeover. The machine automatically switches lid storage units Lids are automatically feeded for pick and place unit by lid elevator integrated into the feeding magazine.

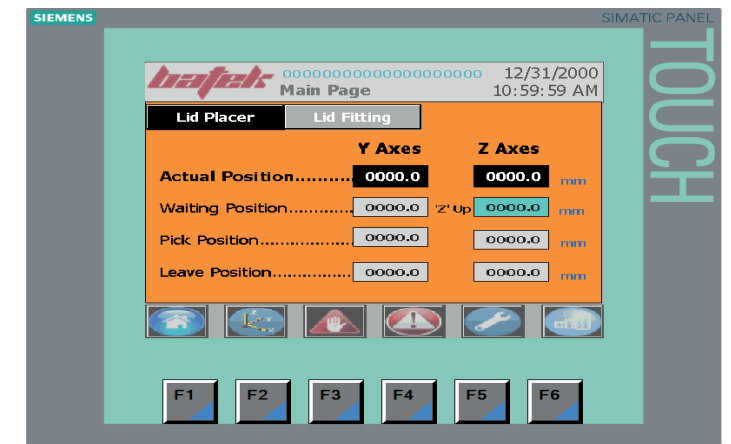
Operator can securely refeed lids into the magazine while the machine is running. The machine magazine can be stored up to 200 lids hence ensuring longest refed interval in the market.

Lid pickup head is integrated with lid orientation detection system to switch to correct feed position. In case lids are reversely picked up at reverse orientation, the pickup head automatically rotates to correct feed position.

Lids are pickup by vacuum heads specially designed for battery lids to be processed. Vacuum heads are integrated with vacuum generator fitted with vacuum switch.

TECHNICAL DATA

Electric: 220/380V - 3P -50Hz (or as required)
Power: 8 Kva
Compressed Air: 3 cbm/h @ 6Bar
Operator: None permanent
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.

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:

Post lubrication unit
Manual lid feeding station
Additional lid pick head
Mitsubishi PLC & HMI.
Spare part set.

Lid Magazine: 200 pcs (max)
Battery Sizes: JIS (B19-D31) DIN (L0-L5)
Typical Changeover: 5 minutes
Max. Capacity: 6 batteries/min.
Networking: Available
Remote Access: Available
Standard Weight: 2400 Kgs
Crate Dimensions: 200Wx340Lx220H cm

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