

BT2000 COS MACHINE

FLEXIBLE LIKE NO OTHER

Versions available for flooded or AGM designs. Up to three batteries a minute production capacity with several brilliant features, efficient processing and user friendly operation.



FAST
DELIVERY



EXPERT
CRAFTING



PREMIUM
SERVICES

LOOK BEYOND RUDIMENTAL EXCEL IN ASSEMBLY

Flexible, durable and cost efficient products brought you with remarkable performances. Brilliant designs and precision crafting in machining culminate in expertly fabricated machineries.

Heavy duty rugged frame for precision machine operation throughout longer service life. Powder coat painting to ensure higher corrosion resistance. CNC machined machine bottom frame, lower table and rotary table guarantees reliable and precision machine operation.

Special chain drive indexing mechanism providing smooth indexing without any mechanical stop devices. Heavy duty gearmotor facilitates smooth indexing with longer service life.

Rotary table fitted with metal pneumatics piping, individual pressure regulation for jigbox squeezing, individual pneumatic check valves for each jigbox, heat resistant metal piping for jigboxes.

Mould cooling is controlled with four individual flow control valves each equipped with flowmeter for precision mould temperature control. Up to seven temperature control zones provided for mould. CAD designed and CAM manufactured mould made of high quality material with special treatment to ensure longer service life. Mould can be supplied with water cooled inserts depending customer request and design availability.

Lead pump is designed with triple valve system and precision metering block to guarantee highest precision metering accuracy with efficient performance.

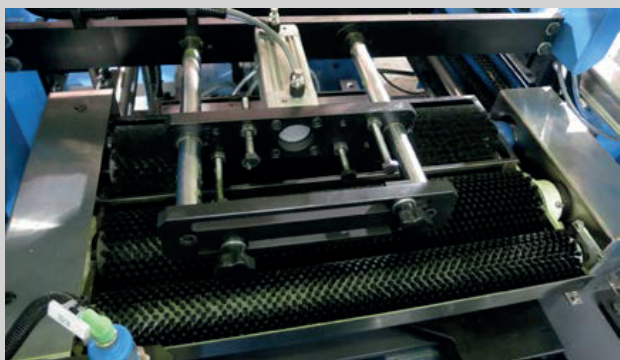
Standard machine is supplied with electric heating pot with 1000 kg capacity. Pot is supplied with thermal insulation and top cover.



COS MACHINE BT2000

Central column precision machined and assembled with heavy duty thrust bearing for user friendly and smooth operation. Heavy duty pneumatic cylinder for table lifting integrated with check valve for safe operation.

Loading and unloading cabinets equipped with bottom support tables with fast height setting facilities. Each cabinet fitted with pneumatic cylinder for manual bottom support table operation. Both cabinets are fitted with dust collect trays, inner dust suction units as well as main suction units provided with flexible exhaust pipes.



Lug aligner is provided for reliable lug alignment with easy and fast setting features. Vertical alignment of the elements is ensured through vibrating table equipped with efficient pneumatic vibration kit operating without lubrication requirement. Vibration table provided with easy and fast height setting stoppers. Separator alignment is also provided with easy and fast setting stoppers.

Pneumatic driven brushing carriage supplied with motor driven lug brush and individual gearmotor driven flux brushing unit.

Moulding station is integrated with user friendly jigbox dipping system with dip easy dip setting facility. Mould ejection is controlled with twin ejection table detection switches.



Standard machine is supplied with electric heating pot with 1000 kg capacity. Pot is supplied with thermal insulation and top cover. Machine is supplied with frame integrated suction collection tower for better space utilization.

Machine is supplied also with upper fume suction hood connected to mould zone exhaust hood.

Machine is supplied with Siemens S7 plc and HMI unit for user friendly operation, easy data tracing.

OPTIONAL FEATURES

- Mitsubishi PLC and HMI
- Pre-alignment unit
- Flux drying unit
- Fast mould fitting
- Gas heated lead pot
- Motorized carriage
- Mould preheating
- Sprue brushing
- Unload station automation
- Tool set
- Spare part set
- Chiller

PLC: Siemens S7
HMI: Siemens
Electric: 220/380V - 3Ph - 50/60Hz
Required Power: 58 Kw

Average Consumption: 36 Kw
Compressed Air: 6 Bar - 6 cbm/h
Pneumatics: Festo & SMC
Battery Types: B20-H6 or L0-C

AC Motors: SEW
Servomotors: SEW
Capacity: 3 batteries/min
Typical Weight: 4100 Kgs