



## Cast on Strap Machine

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.

### QUICK OUTLOOK

- Reliable design and operation
- Perfect moulding and fusion quality
- Less than 2% casting variation
- User friendly operation
- Two batteries per cycle for car types
- Comprehensive technical documentation and efficient after-sales support

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. 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 cabinets 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.

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

### BASIC FEATURES

- Heavy duty frame
- Efficient element alignment
- Universal jigbox design for 1x6 cell batteries
- Universal jigbox design for 2x3 cell batteries
- Easy and fast battery type changeover

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

Mould cooling is controlled with six 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.

#### OPTIONS

- Mitsubishi PLC and HMI
- Pre-alignment unit
- Flux drying unit
- Fast mould fitting
- Double dipping
- Fast pump to mould fitting
- Gas heated lead pot
- Mould preheating
- Sprue brushing
- Unload station automation
- Tool set
- Spare part set
- AGM processing

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

#### 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

Standard machine is supplied with electric heating pot with 1200 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.



#### TECHNICAL DATA

Battery Types	:	All automotive batteries (typically from B19 to N200 or DIN L0 to DINC)
Capacity	:	Up to three batteries a minute
PLC	:	Siemens S7
HMI	:	Siemens TP177 series
Pneumatic	:	Festo / SMC
Electric	:	220/380V – 3 Phases – 50/60 Hz.
Installed Power	:	64 Kw (with electric heated pot)
Compressed Air	:	6 Bar – 6 cbm/hr (clean and dry air)
Cooling Water	:	30 L/min - 15°C – 4 Bar
Typical Weight	:	5.400 Kg (uncrated)