BT80A

Machine shown with optional CETA test unit

Auto Leak Tester

BT80A is a versatile automatic leak tester to process all automotive size batteries available in the market with a precision processing & testing features. Machinbe ccan process conventional, Maintenance free, kamina or push type battery covers with compaible testing head tooling.

Precision machined frame with enhanced stiffness. Chain driven battery conveyor with automatic battery 'stop & go' device for efficient battery feeding into the machine main station. Automatic battery stop and fixing facilities provided with easy and fast changeover features. All battery contacting zones at the conveyor are covered with special anti-scratch tapes to eliminate damages on the battery surfaces.

QUICK OUTLOOK

- Compact machine design
- Recipe base leak test operation
- Reliable leak testing system
- User friendly operation
- Up to 3 batteries a minute (single head)
- Comprehensive technical documentation and efficient after-sales support

Easy and quick adjusting features integrated into the machine for quick battery type changeover between batteries in the same lid design through quick setting template plates dedicated for each battery size.

Machine is equipped with air pressure compensator tank to ensure constant pressurize supply during whole operation. Testing pressure inlet can be regulated to working pressure requested thorugh pressure regülatör provided at the testing circuit inlet. Testing circuit inlet is also protection with a fine filter for reliable operation of the testing valves. Another electronic pressure regülatör provided to enable the operator making recipe based pressure filling selection for each battery type.

BASIC FEATURES

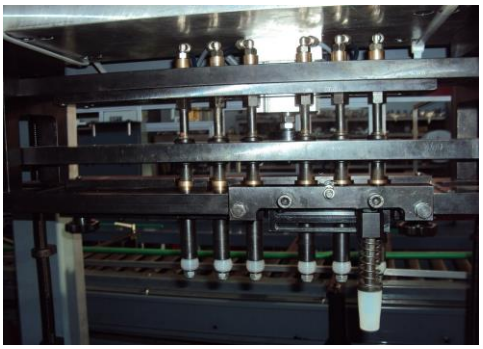
- Precision leak testing
- Universal for all automotive sizes
- Easy and fast changeover features
- Fast dot matrix coding
- Easy and fast battery type changeover

Test volume filling can be done either with time base or pressure base depending on the customer preference.

Testing is set and tracked via HMI providing setup parameters ie. filling, stabilization, testing.

Dot matrix coding unit integrated into the machine which process each 'leak test passed' batteries either on top surface or on side surface of batteries. Fast coding unit with alphanumeric coding allows also counting code marking of batteries. Coding head can easily and quickly be adjusted for different coding zone on batteries.

Machine main pnuematic service unit is fitted with pnuematic pressure switch to ensure that the machine is not operating under designated pressure



Machine is also equipped with aluminum profile glazening with policarbonated doors for safety standards. Visual alarm is provided at the machine front side. Machine includes reject station and reject conveyor.

OPTIONS

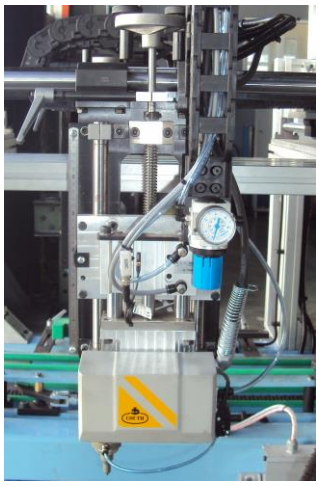
- Mitsubishi PLC and HMI
- Double head configuration
- Differential pressure leak testing
- MF secondary lid leak testing
- MF primary cover tooling
- Special tooling for designated lids
- Leak testing with CETA test unit
- Leak testing with FUKUDA test unit
- Hot stamp code marking
- Laser code marking
- Push button chageover
- Spare part set
- Networkable PLC
- Oversize battery processing

Siemens HMI for operating controls provided at the machine front side operator panel. Processing parameters of each battery types to be stored in recipe to allow easy and quick battery type changeover. All machine settings and production data can be tracked via touch screen panel.

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

Machine is capable to process up to three batteries a minute with a single head configuration. Typical changeover time (with standard version) is 10 minutes.



TECHNICAL DATA

Battery Types	:	All SLI automotive size batteries.
Capacity	:	Up to three batteries a minute (with single head)
PLC	:	Siemens S7
HMI	:	Siemens TP177 series
Coding Unit	:	Couth
Coding Area	:	100x15mm
Pneumatic	:	Festo / SMC
Electric	:	220/380V – 3 Phases – 50/60 Hz.
Installed Power	:	2 Kw
Compressed Air	:	6 Bar – 1 cbm/hr (clean and dry air)
Typical Weight	:	1.100 Kg (uncrated)

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