



# BT30 HOLE PUNCHER

SMART, FAST AND COST EFFICIENT

Versatile hole puncher available to process all common sizes in automotive range. Three axis servo driven head ensures high precision and smooth operation. The machine is integrated with hole cleaning and pellet collection systems.



FAST  
DELIVERY



EXPERT  
SOURCES



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.

BT30 is a universal machine capable to process all common automotive size batteries typically from B20 to N200 and from DIN L0 to DINC. Machine referencing bottom of the container for punch height to ensure most accurate punching position. Precision machined gantry frame with enhanced stiffness. Linear servo drive modules in three axis for highest speed and precise operation. Motorized roller conveyor with automatic 'stop & go' device for efficient container feeding into the machine main station. Automatic container stop and fixing facilities provided with easy and fast changeover features. All container contacting zones at the conveyor are covered with special anti-scratch tapes to eliminate damages on the battery surfaces.

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

Machine is also equipped with aluminum profile glazinging with polycarbonated doors for safety standards. Visual alarm is provided at the machine front side.

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 container type changeover. All machine settings and production data can be tracked via touch screen panel.



## AUTO HOLE PUNCHER BT30

Easy and fast setting conveyor guide with precision roller rail system to allow smoother and accurate guiding of the container at the conveyor.

Rotary punching head with heavy duty punch cylinder and linear carriage motion ensuring precision and durability in punching operation. Punching head to cover 1x6 and 2x3 cells without any modification on the punching head design.



Spring loaded pressure plate to ensure compensation in height variation of the containers. Individual pressure regulation for punching cylinder facilitates easy and accurate punch setting.

Punching dies made of special hardened steel and precision grinded for perfect finishing. Machine can be fitted either round or oval shape punch dies. Machine is integrated with continuous pellet suction and collection unit.

Machine is also supplied with burr removal and hole cleaning facility in which flame applied onto punch holes automatically. Automatic on/off facility allows saving in fuel consumption. Gas supply is pressure controlled for safe operation of the machine.



Machine is capable to process up to six containers a minute with a single head configuration. Typical changeover time (with standard version) is 5 minutes.

### OPTIONAL FEATURES

- Mitsubishi PLC and HMI
- Container buffer table
- Infeed conveyor
- COS feed conveyor
- Additional punch die
- Networking
- Oversize battery processing
- Hot melt dispensing
- Spare part set

PLC: Siemens S7  
HMI: Siemens  
Electric: 220/380V - 3Ph - 50/60Hz  
Required Power: 8 Kw

Average Consumption: 4 Kw  
Compressed Air: 6 Bar - 2 cbm/h  
Pneumatics: Festo & SMC  
Battery Types: B20-H6 or L0-C

AC Motors: SEW  
Servomotors: SEW  
Capacity: 6 batteries/min.  
Typical Weight: 800 Kgs