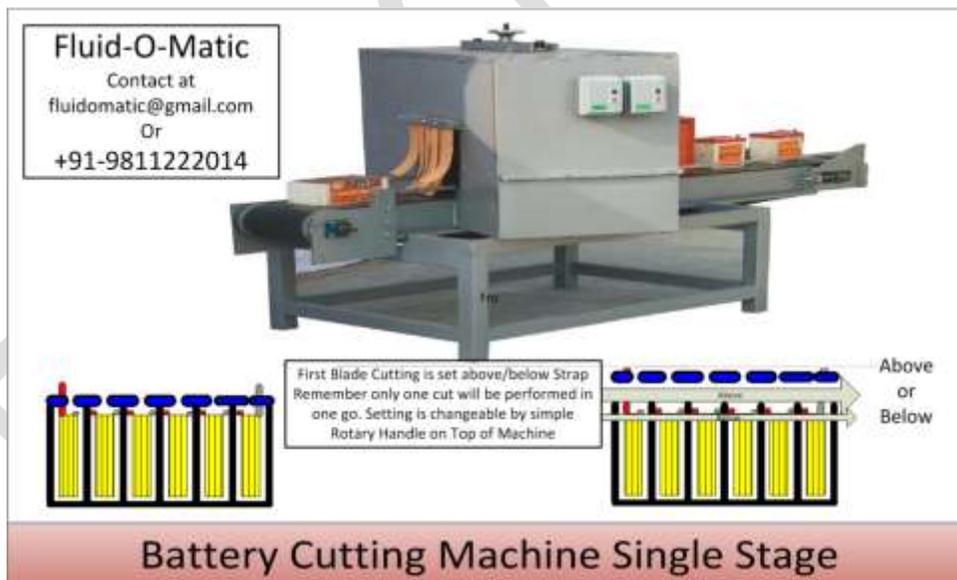


We manufacture Battery Breaker. Now, We have made Battery Cutting Machines. Speed of cutting is 5-7 Batteries/Minute for small smelter.

As follows:

1. **Battery Cutting Machine (Single Stage Cutting):** This machine has a automatic conveyor. Battery is placed on the conveyor. Width of Battery, need not to be set. It can accommodate Battery up to Max. Width of 305mm. Most of Batteries are below this. Cutting height can be set by turning Rotary wheel. This wheel is visible in picture of machine. Scale is provided to set the height of cutting from bottom. Conveyor takes the Battery in machine for cutting. During Cutting of Battery dust is confined inside of covers because cutter is enclosed. Normally Cutting is set at sealing line of lid. Max. of Automotive Batteries have approximately same height, say +-10 mm. Remaining Battery will come out of machine on Conveyor. This saves exposure of workman from Lead Dust; increases efficiency of organization reduces lead time as well as increases liquidity of Funds. Plastic Containers can be sent for immediate disposal/recycling facility. Lead Dust is confined inside enclosure at the same time water jets are provided by pre-fitted Pump. Water is collected in the bottom tank. This helps to separate Plastic Dust from Lead dust. Plastic dust floats and lead dust is precipitated at the bottom. Hence it becomes environmentally Sound Method to cut the Battery for further separation. Remember this Cut Battery can directly go to another attachment; we call it Acid Draining Attachment. Details of this attachment are mentioned below.

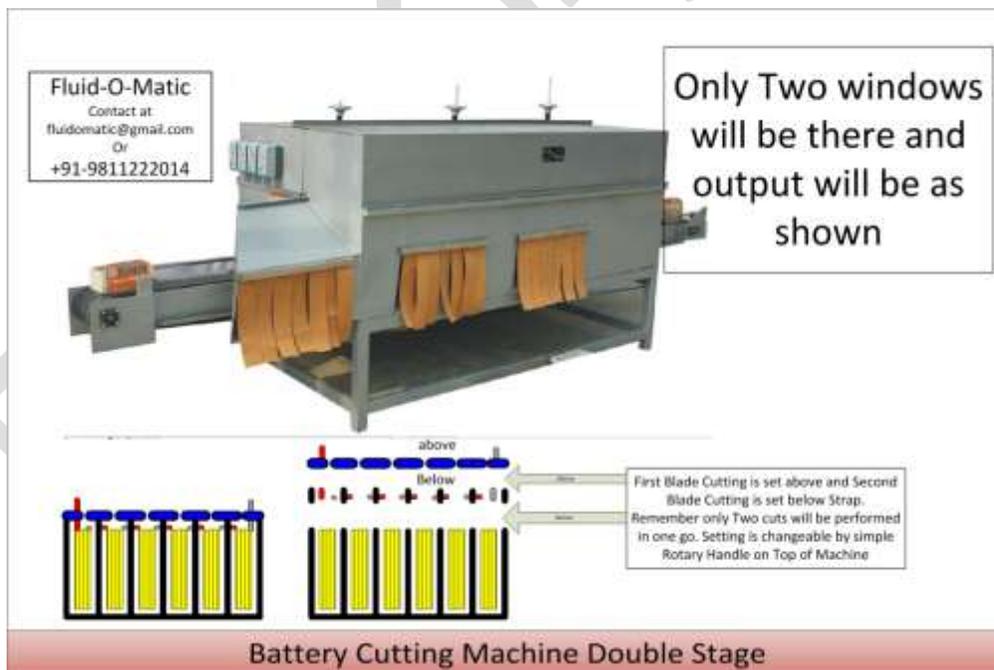


This machine is suitable for small quantity of Batteries, Battery Assembly Lines or very less budget.

Power required: 415V 3 phase, 4 Kw approx.

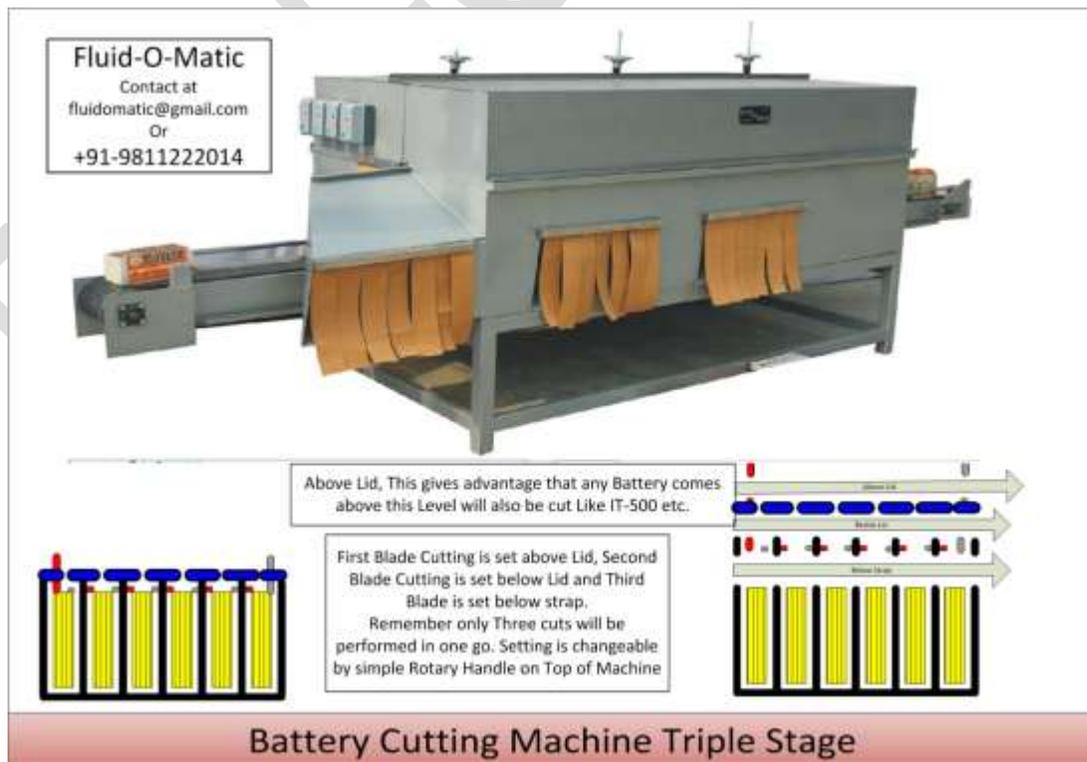
Belt made of : Nylon

2. **Battery Cutting Machine (Double Stage Cutting):** This machine has a automatic conveyor. Battery is placed on the conveyor. Width of Battery, need not to be set. It can accommodate Battery up to Max. Width of 305mm. Most of Batteries are below this. This machine has two Blades for Cutting. Cutting heights of both the blades can be set at independent height by turning Rotary wheel. This wheel is visible in picture of machine. Scale is provided to set the height of cutting from bottom. Conveyor takes the Battery into machine for cutting. First cutting is set normally at sealing line of lid and Second cutting is set below strap. During Cutting of Battery dust is confined inside of covers because cutter is enclosed. Max. of Automotive Batteries have approximately same height, say +-10 mm. Cut Lid ejected out of first window and Strap portion of battery ejects out form second window. Remaining Battery will come out of machine on Conveyor. Machine can be provided with wheels so machine is used to unload battery at the same time cutting is performed. This saves exposure of workman from Lead Dust; increases efficiency of organization reduces lead time as well as increases liquidity of Funds. Plastic Containers can be sent for immediate disposal/recycling facility. Lead Dust is confined inside enclosure at the same time water jets are provided by pre-fitted Pump. Water is collected in the bottom tank. This helps to separate Plastic Dust from Lead dust. Plastic dust floats and lead dust is precipitated at the bottom. Hence it becomes environmentally Sound Method to cut the Battery for further separation. Remember this Cut Battery can directly go to another attachment; we call it Acid Draining Attachment. Details of this attachment are mentioned below.



This machine is suitable for normal quantity of Batteries or by small smelter with normal budget. Power required: 415V 3 phase, 8 Kw approx. Belt made of : Nylon

3. **Battery Cutting Machine (Triple Stage Cutting):** This machine has a automatic conveyor. Battery is placed on the conveyor. Width of Battery, need not to be set. It can accommodate Battery up to Max. Width of 305mm. Most of Batteries are less than this. This machine has three Blades for Cutting. Cutting heights of all the three blades can be set at independent heights by turning Rotary wheel. This wheel is visible in picture of machine. Scale is provided to set the height of cutting from bottom. Conveyor takes the Battery into machine for cutting. First Cutting is set above lid so any battery which has more height than normal automotive batteries like Standby Batteries i.e. IT-500, Jumbo etc. will be cut and that portion ejects out from first window. Second cutting is set normally at sealing line of automotive battery lid and third cutting is set below strap.
- During Cutting of Battery dust is confined inside of covers because cutter is enclosed. Max. Of Automotive Batteries have approximately same height, say +/-10 mm. Cut Lid ejected out of first window and Strap portion of battery ejects out form second window. Remaining Battery will come out of machine on Conveyor. Machine can be provided with wheels so machine is used to unload battery at the same time cutting is performed.
- This saves exposure of workman from Lead Dust; increases efficiency of organization reduces lead time as well as increases liquidity of Funds. Plastic Containers can be sent for immediate disposal/recycling facility. Lead Dust is confined inside enclosure at the same time water jets are provided by pre-fitted Pump. Water is collected in the bottom tank. This helps to separate Plastic Dust from Lead dust. Plastic dust floats and lead dust is precipitated at the bottom. Hence it becomes environmentally Sound Method to cut the Battery for further separation. Remember this Cut Battery can directly go to another attachment; we call it Acid Draining Attachment. Details of this attachment are mentioned below.



This machine is suitable for normal quantity of Batteries or by small smelter with normal budget.
Power required: 415V 3 phase, 12 Kw approx.
Belt made of : Nylon

Acid Draining Attachment (Manually Assisted): Once Battery is cut and now only Plates with separator are there in Plastic container. There may be acid in the Battery Container still. Battery will drop in upside position, manually assisted. Container can be picked up and placed at a side or drop in Plastic Crusher. Battery Plates and Separator can be dropped in Plate Crushing Machine. Acid will drop in tank. Acid Proof Tank is in-built in the attachment. Lead Oxide Dust and small grid parts will precipitate. Acid can be pumped out, if connected to another tank. Lead Sludge can be charged in furnace.

Acid Draining Attachment (Conveyorised): Once Battery is cut and now only Plates with separator are there in Plastic container. There may be acid in the Battery Container still. Battery will drop in upside position, manually assisted. Container can be picked up and placed at a side or drop in Plastic Crusher. Battery Plates and Separator can be Transported to Plate Crushing Machine. Acid will drop in tank. Acid Proof Tank is in-built in the attachment. Lead Oxide Dust and small grid parts will precipitate. Acid can be pumped out, if connected to another tank. Lead Sludge can be charged in furnace.

Pole Extraction Machine: Once Lid is cut from battery, there is Lead casted Pole/Post molded in Lid. This Pole can be extracted from Lid. Pole Extraction Machine will be used for this purpose.



This machine is fitted with interchangeable die. This die can be changed by pick & place technique. This machine is pneumatically operated and initiated by Pedal Valve. Cut Lid is placed on die and machine is operated by pressing foot on valve. Top punch presses Pole out of Lid. This can be seen in the video. Now, Lid will be without Lead parts. Of course, Lead parts will be having bit of Plastic in which it is molded. This Plastic can be ignored.

Connection Breaking Machine: Cut Strap & Plastic Container strip held together will be separated by this machine. This machine is pneumatically operated and initiated by Pedal Valve. Cut Container Strip with Intercell connections is placed on machine, Partition will be placed on centerline and fork arm will be across it. It is operated by pressing foot on valve. One fork will press against another and connection will break. This can be seen in the video. Now, Cut Container Strip will be without Lead parts.

Compressor: This is Required to supply pressurized air to above mentioned Two machines.
Required Power: 415V 3 phase, 2.25 Kw approx.