



# ***MAC Burning Rack and the Rotary MAC Burner***

## ***Stacking, Burning, and Casing Equipment for Sealed Battery Cells***

***MAC offers a full range of battery burning and casing equipment to meet your needs! Two models of burning equipment are available: the MAC Burning Rack for automotive battery sizes up to 150 Amp hours, and the Rotary MAC Burner that is designed for the full range of industrial batteries.***

**MAC Burning Rack:** This equipment is designed to work with the MAC Separator/Pleater in assembling the cell elements. The MAC Burning rack uses the Unique MAC “removable cassette” design. This design allows the burning operator to concentrate solely on the placement of the intercell connector used in these battery sizes.

The element stacking operator loads the cassette with stacked elements, and delivers the fully loaded cassette to the burning operator. The burning operator places the cassette into the burning rack, shuts the combs and clamps around the lugs.

After burning, the burning operator removes the entire cassette from the rack.

The case stuffing operator unloads the cassette, stuffs the elements and returns the empty cassette to the plate stacking station.

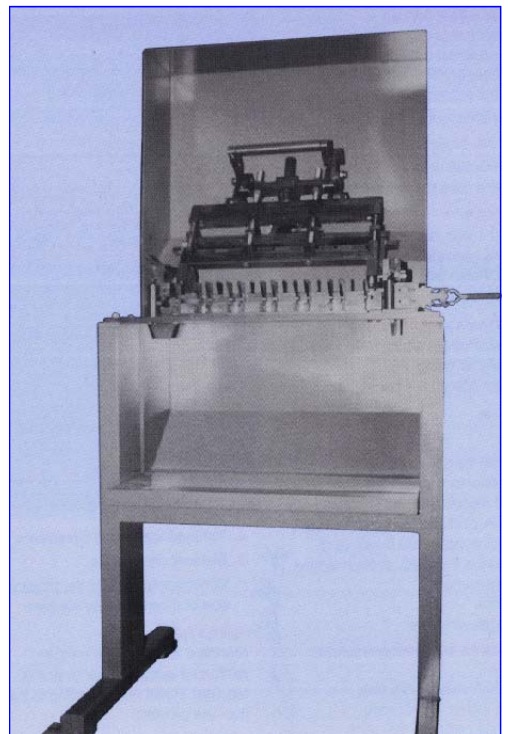
The MAC “removable cassette” design allows for higher production rates than the competition’s stationary design. The design also allows a separate operator to load the elements into the clamping cassette, so that the burning technician only needs to insert the cassette into the burning rack. The burning operator then closes the dam with a toggle and burns the straps. This design allows more time to be spent burning each shift, which means greater productivity per machine.

**Rotary MAC Burner:** The Rotary MAC burner is a revolving, stacking, burning and casing machine for the assembly of industrial size sealed lead-acid batteries. This machine is designed to handle a full range of batteries.

The four station machine consists of an element stacking station, a burning station, a casing station, and an unload station.

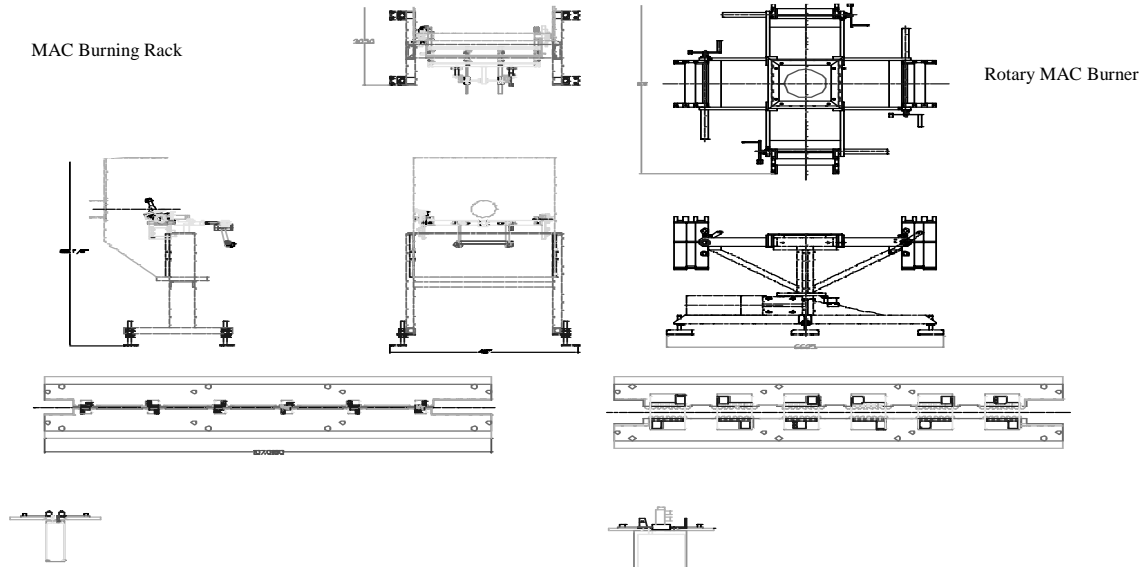
Included with the machine are four (4) element holders, each with a hand crank, which compresses the elements and holds the cell elements in place.

An electric foot switch is used by the operator to advance the rotation of the spindle to the next workstation. The drive system is an AC electric motor located on the lower frame.



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## TECHNICAL SPECIFICATIONS



	Required User Data	Foundation	Production Capabilities	Materials	Operation Requirements
MAC Burning Rack	<ul style="list-style-type: none"> <li>Specify the electrical requirement</li> <li>For each battery size to be processed, include the following data:                             <ol style="list-style-type: none"> <li>Top-lead layout and dimensions</li> <li>Element dimensions</li> </ol>                             Dimensional data on the physical size of a compressed element                         </li> </ul>	Standard 4 inch (102 mm) thick reinforced concrete floor or pad is required. Holes for lag bolting to the floor are provided.	<ul style="list-style-type: none"> <li>Battery size range: Up to 150 Amperes/hour rating</li> <li>Production rating: 1-4 per minute</li> </ul>	Steel	<ul style="list-style-type: none"> <li>Personnel: One semi-skilled</li> <li>Ventilation: Customer supplied as needed to meet local requirements,</li> </ul>
Rotary MAC Burner	<ul style="list-style-type: none"> <li>Specify the electrical requirement</li> <li>for each battery size to be processed, include the following data:                             <ol style="list-style-type: none"> <li>Top-lead layout and dimensions</li> <li>Element dimensions</li> </ol>                             Dimensional data on the physical size of a compressed element                         </li> </ul>	Standard 4 inch (102 mm) thick reinforced concrete floor or pad is required. Holes for lag bolting to the floor are provided.	<ul style="list-style-type: none"> <li>Production rating: 1 unit every 2-3 minutes</li> </ul>	Steel with electrical drive and components	<ul style="list-style-type: none"> <li>Personnel: Three semi-skilled</li> <li>Ventilation: Customer supplied as needed to meet local requirements,</li> <li>Standard Electrical: 120/480 volt, 1-phase, 60 Hz, 8/2 AMPS</li> </ul>



*Helping to make the best batteries...yours.*

**MAC Engineering and Equipment Company, Inc.**

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