

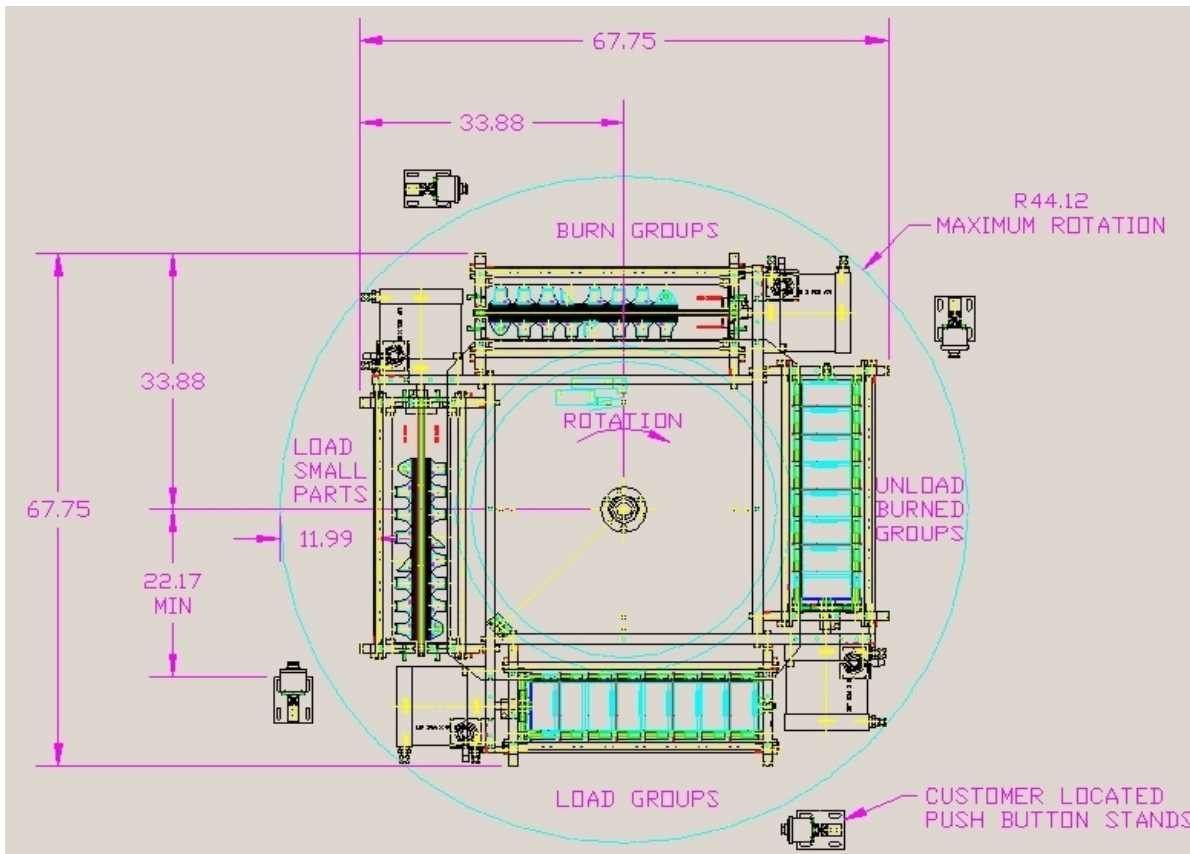
Burning Rack and Rotary Burning Rack ADDITIONAL INFORMATION
(13 July 2011)

Both the Burning Rack and Rotary Burning Rack are not COS machines for automatic strap casting. They are fixtures to help operators hand burn the cells. Customers who currently hand burn but do not have the money or desire to purchase an automatic COS machine will benefit from this equipment.

Our Rotary Burning Rack has been used to hand burn fairly large sized cells. We have made some clamps to handle a 16V 750Ah battery; group dimensions being 5.9" tall x 9.4" wide x 2.9" thick. We might be able to make a Burning Rack for larger groups than this, but we would need to see top lead, group and post information for us to analyze the design.

Attached are several pictures of the Rotary Burning Rack. There are four racks, each with a cylinder that compresses and holds the groups in place for the various steps. Four People, one at each station, would perform a specific operations. The four racks then rotate 90 degrees to the next station. Below is what happens at each station.

Station #	Operation
1	An operator manually loads groups into rack. A cylinder then clamps in the groups.
2	An operator will load the small parts; burning cones, intermediate/terminal posts.
3	The operator at this station will perform the hand burning of the straps.
4	An operator will manually unload the completed groups.



1. In the description of the Burning Rack it is written, that the burning operator transfers the cassette to the stuffing operator. The stuffing operator unloads the cassette, stuffs the elements and returns the empty cassette to the plate stacking station. Therefore, it turns out that two operators work on this machine. But in operation requirements written that the personnel: One semi-skilled. Please, clarify this issue.

The Burning rack says one operator because usually only one person will complete the stuffing, hand burning and un-stuffing operations. This entails loading the cells onto the Burning Rack fixture, small part placement, hand burning and unloading. There is a front and back clamp assembly to hold the groups in place.

2. Give us the data about the time of one full cycle for the industrial cells in the construction of 6 positive and 6 negative plates and the price for the Burning Rack.

Burning time is operator dependent. The Burning Rack and Rotary Burning Rack is meant to be a supplementary tool to assist workers with making higher quality hand burning with a more streamlined process.

3. In the description of the MAC Rotary Burner I didn't find the lugs cleaning and fluxing unit. Is it absent? Please, clarify this moment!

There is no flux required when hand burning. Lug cleaning would be up to the operator to inspect and brush.

4. Give us the data about the time of one full cycle for the industrial cells in the construction of 6 positive and 6 negative plates and the price for the Rotary Burner.

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