

-Why should brushing be used?

To remove paste from the sides of the grids and to knock off paste that might be present on the lug edges between the lug and frame. Excessive paste buildup on the grid edges may come loose once inside the battery and will cause deteriorated battery life. Brushing is a prerequisite for many OEMs to ensure high quality product.

-What type and how many brushes does the MAC HSS/SAB use?

We use a rotary crimped bristle wire brush for the side brushing. There are six of these brushes stacked together per brushing unit. There are two units per SAB, and one for each conveyor side.

-What is the life of the brush? For how many plates?

This will depend on how much paste the customer is trying to remove. If they have it set low (really digging into the grids) then you may have to change brushes every 2-8 weeks. If they have it set high (barely scrapping the surface) then they could last up to 3 months before needing change. A lot of factors like set up, shifts run, and how much is needed to brush can affect life of a brush.

-Difference with manually brushing the edges versus automatically.

Consistency: The automatic brushing performs exactly the same results each time.

Speed: The SAB is built into the HSS non-stop system, making brushing part of the stacking process.

Safety: Enclosed brushing station with dust ventilation prevents excess lead dust from escaping, thus lower lead-in-air.

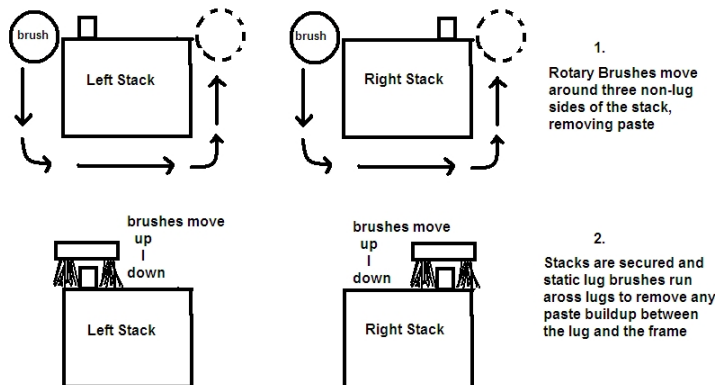
OEM Requirements: Many OEMs require automatic brushing for their high quality products.

-What speed of revolutions does it function at? What is the potency of the motor?

The SAB uses two Sumitomo 2hp motors, running at approx 1450 rpm.

-How do the brushes work?

The rotary brushes rotate over three sides of the stack; the non-lug sides. The brushes for the left and right stacks run independently of each other. At the second station, the stack is held securely and a static lug brush runs against both sides of the lug to remove paste buildup from the edge between the lug and frame. See graphic below.



-How do you control the pressure of the brush on the plates?

Brushing specifications are controlled through the programmable controller.

-Is there a way to completely brush the frame on the lug side?

Yes, we have a motorized lug brushing option available, see graphic below.

