



In-Line AGM C.O.S.

The perfect way to cast-on-strap and robotically insert cells for medium and large size AGM product



The MAC In-Line AGM COS is the industry's latest equipment for casting AGM product. This AGM C.O.S. machine can handle plates of up to 10" High (254mm) and 7.375" Wide (187mm). Stack Heights of 5.625" (142.8mm) uncompressed.

The process begins with one operator loading two AGM cells at one time into one of up to 12 electro magnetically driven carriages. These carriages are designed to evenly compress each cell to a specific tolerance to ensure proper group size for insertion into the case.

From cell compression, the groups flip over and go into the following stations:

- 1) Lug Pinching
- 2) Lug Brushing
- 3) Flux Station
- 4) Tin Station
- 5) 1 of 3 Molds
- 6) 2 of 3 Molds
- 7) 3 of 3 Molds

Finally it goes into the unload station where an 80kg robot places each cell into a fixture above the case. Carriages return to the loading station automatically.

Once the fixture is full, the fixture goes down pushing chutes into the case which help guide the cells. A stuffer then pushes the cells firmly into the case to a pre-programmed depth.

