

highest uptime
evacuation time adjustable
customer specific cell and
blister formats available



ASSEMBLY OF LI-BASED CELLS DEGASSING

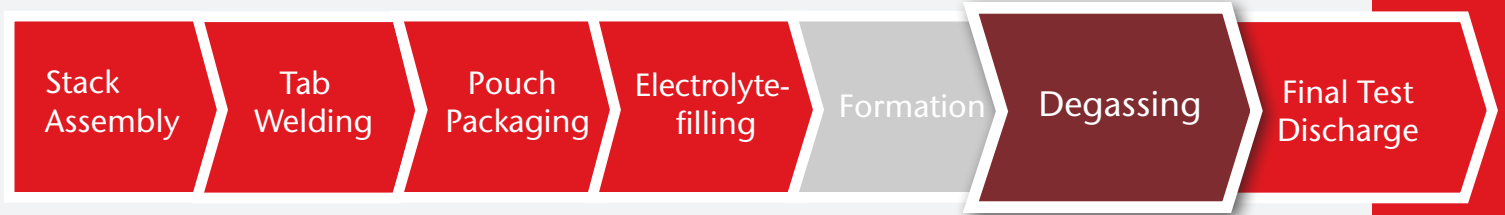
For years, Jonas & Redmann has been automating complex assembly and production processes for innovative products with highly sensitive components. Our owner-operated company brings its expertise and industry-tested technologies to the lithium-ion battery industry with our pouch and prismatic cell production lines. We have developed and delivered equipment for all the production steps after coating, including lines for complete module assembly.

At Jonas & Redmann, we know that we can not be successful unless our customers are successful. Therefore, our goal is to develop long-lasting partnerships with our customers. We accomplish this by understanding our client's needs and adapting the equipment to their specific requirements. Together, we work with our customers throughout the project, which does not end with equipment delivery. We continue by offering the support and service to deliver the best partnership possible. Jonas & Redmann doesn't measure success by the project. We measure it by the strength of the partnership.

Features:

- customized vacuum generation
- high quality, uniform seam sealing
- qualified for clean and dry rooms
- gentle handling of loaded cells

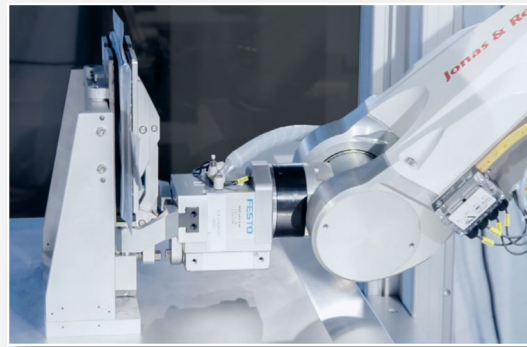
Cell Production



Features:

MATERIAL INPUT	DEGASSING PROCESS	SEALING	MATERIAL OUTPUT
cell in blister blister stacks blister stacks on pallet interlink to production line	vacuum pressure control process flexibility: vacuum pressure, evacuation time and cycle inspection window	thermal sealing ultrasonic sealing others on request	cell in blister blister stacks blister stacks on pallet

- evacuation cycle adjustable according to properties of electrolyte to ensure clean sealing
- vacuum chamber adaptable to different through-put requirements
- constant process quality
- machine components offer long term resistance to corrosive substances
- very gentle handling of loaded cells within blisters
- developed for high capacity production lines
- complete assembly line integration
- inline process control and customized quality check



Options (others on request)

INPUT	PROCESS	OUTPUT	GENERAL
resistivity measurement to detect short circuit between anode and cathode	size of vacuum chamber adaptable to number of cells	resistivity measurement to detect short circuit between anode and cathode	standard HMI, operator languages English, Chinese, others
			MES connection, e.g. Secs GEM, XML according Semi PV02