BMR 15
ENVELOPING & STACKING MACHINE

For Automotive SLI and VRLA Battery Manufacturing
The new horizontal plate feeding unit and the new slope plate feeder combined with the basic BMR 10 machine, results in our new BMR 15 model.

170 PE envelopes or 150 AGM wraps with maximum machine efficiency can be reached. Processing of PE, AGM as well as leaf type separators is possible.

The machine concept also allows retrofitting leaf type magazines.

Shortest change-over times can be reached due to tailor-made gauges for each battery type.

The HS-Plate feeder is the fastest and most reliable plate feeder even when facing plate tolerances.

An automatic plate loading system can easily be combined with this HS-plate feeder.

The self-cleaning stand-alone vacuum unit can be located according to your floor space.

Due to the effective safety housing and the efficient suction system, the highest health and safety standards are met by the BMR 15 enveloping and stacking machine.
Horizontal plate feeding enables automatic plate loading.

Full surface plate stack movement allows for handling of very soft plates like pure lead plates.

The short and smooth plate loading results in a performance of up to 170 cycles per minute.
GENERAL
Number of Plate Magazines 2
Enveloped Plates/min (for PE) 90 - 170
Wrapped Plates/min (for AGM) 80 - 150
With leaf type separator up to 120
Maximum Element Thickness 130 mm (depending on element transport)
Stacking Programs up to 9

PLATES
Plate Height (without lug) 92 - 153 mm
Plate Width 100 - 153 mm
Plate Thickness 0.8 - 3 mm

SEPARATOR
Separator Width 105 - 170 mm
Separator Thickness 0.8 - 3.5 mm
Separator Material PE, AGM, and/or leaf type

MACHINE DIMENSIONS
Length (without Conveyor) ~ 5,800 mm
Height ~ 2,900 mm
Width ~ 3,400 mm
Net Weight ~ 7,500 kg

UTILITIES
Air Pressure 6 bar
Uncompressed Air Volume 50 Nm³/h
Electrical Power Consumption 25 kVA
Exhaust Volume 10,000 m³/h
Technical data may change.

VARIATIONS
- Plate surface brushing

OPTIONS
- Double separator uncoiling for simultaneous handling of PE and glass mat, AGM or double layer wrapping
- Automatic separator splice for PE separator
- Leaf type separator magazine - retrofitable
- Separator pre-folding shuttle
- Lug brushing
- Different options for element transport
- Automatic element check station in different variations
- Automatic reject station
- Envelope shape control system via camera