

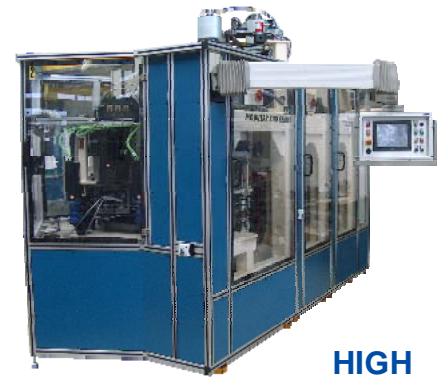
## SERIES: RHO I

## TYPE: VRMD 100/8 MODULAR LID SEALER

The fully automated machine combines diverse functions for sealing lids with membranes. Within three modules lids are

- sealed with a membrane cut out of a coil with a double die-set,
- embossed and tabs are bent downwards.

The modular design allows for flexible machine concepts, interchangeability and enables for rapid changeover.



**HIGH  
PERFORMANCE AND  
OUTSTANDING QUALITY**



### DESIGN AND FUNCTION

Each of the three modules is equipped with up to eight working stations and a transfer star with an octuple division operating in the turret principle.

Before entering the infeed star of the 1<sup>st</sup> module the lids are separated out of a magazine with expanding magnets.

#### 1<sup>st</sup> module

- Membranes are cut by a double-die set out of a membrane coil. Therefore the machine is equipped with a coil feeding device and a scrap discharge.
- The cut-out membranes are conveyed to a continuous running turret by a patented transfer system.

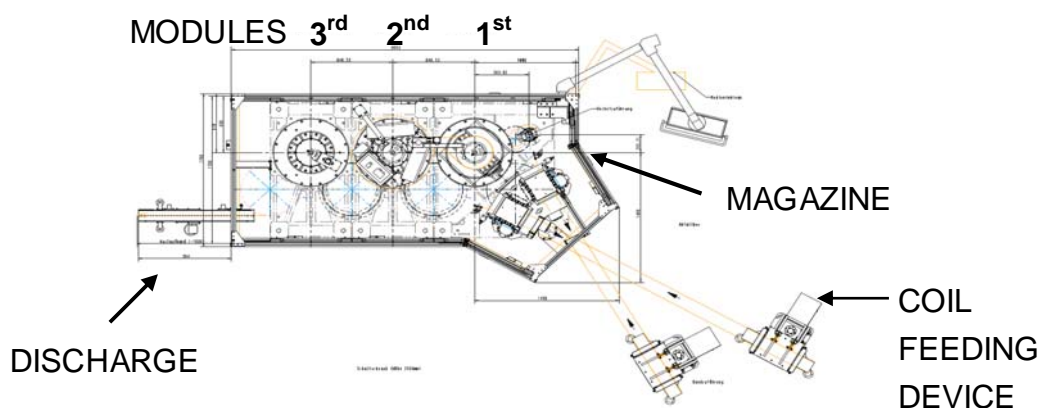
#### 2<sup>nd</sup> module

- After merging and positioning of membrane and lid the heat-sealing process lasts up to 1 s.

#### 3<sup>rd</sup> module

- In the last module the tabs of the sealed lids are bent and the membrane can be embossed before discharging to a conveyer belt.

### LAYOUT



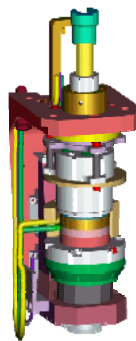
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## TECHNOLOGICAL ADVANTAGES

- achieving long sealing time with the turret system:  
1<sup>st</sup> operation: at least 0.4 s pre-sealing  
2<sup>nd</sup> operation: at least 0.6 s sealing
- automatically controlled heating system with separately adjustable upper and lower temperature ensures overheating protection during sealing
- flexible output speeds
- advanced machine control system with self-explanatory menus

## DESIGN ADVANTAGES

- modular machine design allows for combination with other operations before or after sealing operation
- number of modules variable
- performance-enhancing by variable number of stations: 4 or 8
- principle for round and non-round sizes
- pre-adjusted tooling sets for all operations
- low maintenance
- easily accessible tools with “quick-change option” allows for changeover time from 1 lid size to another in less than 2 hours



**SEALING TOOL**



**EMBOSSING TOOL**

## SAFETY STANDARDS

The machine complies with all international safety standards and possesses a transparent machine cover with safety switch on doors.

## TECHNICAL DATA

		VRMD 100/4	VRMD 100/8
Performance	Round Non-round	max. 300 epm* max. 150 epm*	max. 450 epm* max. 300 epm*
Stations per module		4 stations	8 stations
Modules		Standard version 2 modules / special version 3 modules	
Material specification		Lids - tinfoil or aluminium with or without sealable coating Membrane with sealable layer	
Material thickness		Lid s = 0,18 - 0,23 mm** Membrane s = 0,04 - 0,10 mm**	
End diameter		round: 70 - 105 mm** non-round: 70 - 140 mm** Existing die-set round DIA 73 mm	
Power supply		116 kVA	
Compressed-air supply		G1/2"; 0.6 MPa; 6 bar; 87 psi	
Mass		Machine 15000 kg Control cabinet 500 kg	
Required floor space		7000 x 3800 x 3200 mm with coil infeed and discharge	

\* Depending on size

\*\* Other formats on request

Please contact us for further information:

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