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**SERIES: GAMMA III    MODULAR CAP FORMER**  
**TYPE:     KEAN 100/4    FOR TO-CAPS**



The fully automated modular machine GAMMA III is specially designed for processing drawn can parts to TO-, PT-caps or other closures with high-speed.

Due to its modular design the automatic cap former GAMMA III allows for :

- flexible machine concepts,
- individual arrangement and number of modules
- interchangeability of complete assemblies in all modules
- rapid changeover due to pre-set tools and transfer devices

## DESIGN AND FUNCTION

- modular high speed machine operating in the turret principle
- four or eight working stations on each turret
- can parts are separated, accelerated and fed to the first module by an infeed worm

### 1<sup>st</sup> module - e.g. edge forming

- The edge of the drawn can parts are pre-formed.

### 2<sup>nd</sup> module - e.g. pre-curling

- The pre-curl is applied by die-forming or rolling.

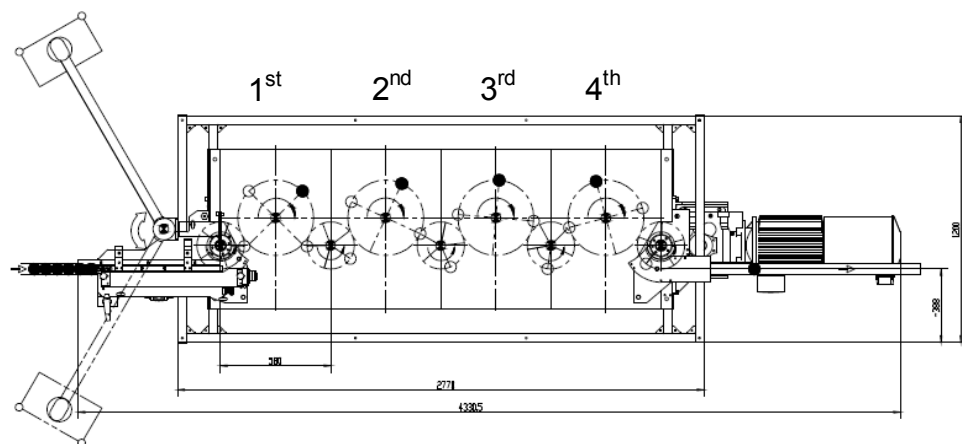
### 3<sup>rd</sup> module - e.g. rolling and lug forming

- finishing the inner roll and forming of the lugs

### 4<sup>th</sup> module - e.g. forming safety button

- **NEW:** In the new module the safety button is formed in the last operation.
- no deformation during the last preceding operations

## LAYOUT



## ADVANTAGES

- new technological order:
  - processing the safety button in the last module recommended for TO-Caps  $\leq 43$  mm
  - easy and fast adjustments guarantee correct flip-in / flip-out data
- in-line correction during production process i.e. tooling parameter changes for
  - height per working unit
  - number of contact turns (2<sup>nd</sup> operation)
- quick changeover time of active tooling
  - for new size (diameter and height)
  - with pre-set tool module in c-frame design
- quick changeover time of transfer tooling
  - pre-set transfer units:

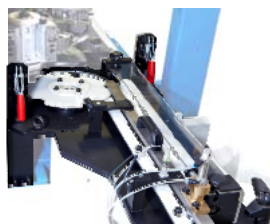
infeed



transfer device



discharge



## SAFETY STANDARDS

machinery directive 98/35EG

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## TECHNICAL DATA

	<b>KEAN 100/4</b>	<b>KEAN 100/8</b>
Performance up to	800 ep <sup>m*</sup>	1600 ep <sup>m*</sup>
Number of stations per module	4 stations	8 stations
Number of modules	4	
Products	TO-Caps	
Diameter Height	max. 100 mm <sup>**</sup> max. 40 mm <sup>**</sup>	
Material specification	Tinplate	
Sheet thickness	0,12 – 0,25 mm <sup>**</sup>	
Power supply	34 kVA	
Compressed-air supply	G1/2", 0.6 MPa, 6 bar, 87 psi	
Mass	1600 kg per module	
Machine dimensions	3850 x 1200 x 1910 mm for 4 modules Length per 580 mm per module	

\* Depending on size

\*\* Other formats on request

The die-set for diameter 38 mm is already furnished, but other formats and operations can be installed according to your demands.

Please contact us for further information:

### CONTACT

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