
SERIES: THETA IV MULTIFUNCTIONAL METAL

TYPE: U-ME 160/4 FORMER FOR DRAWN CAN PARTS

The transfer press combines diverse functions for processing deep drawn parts in three modules and one handling operation:

- thread forming
- necking and curling
- and beading
- handling operation

The sophisticated **THETA** series is characterized by high quality components and low maintenance. Thanks to its design different operations and formats can be processed.



DESIGN AND FUNCTION

The transfer press offers space for integrating up to 4 die-sets for realizing blanking, drawing, shaping and assembling as well as rolling operations for drawn can parts on different stations.

- The infeed is available as magnetic belt, air conveyer or a combination. Parts are oriented with top side up.
- Before being conveyed to the inner transfer system of the crank press the can parts are held in position with a stopper.

1st operation - e.g. thread forming

- In the first operation internal or external interrupted thread profiles are formed or a trimming process takes place.

2nd operation - e.g. necking +curling

- After necking the can rim, a pre-curl is formed facing outwards.
- Radial driven tools
- Start/Stop automatic for the transfer of the can parts

3rd operation - e.g. calibrating

- The diameter of the drawn can parts is calibrated by rolling or die-operation.

4th operation - e.g. handling

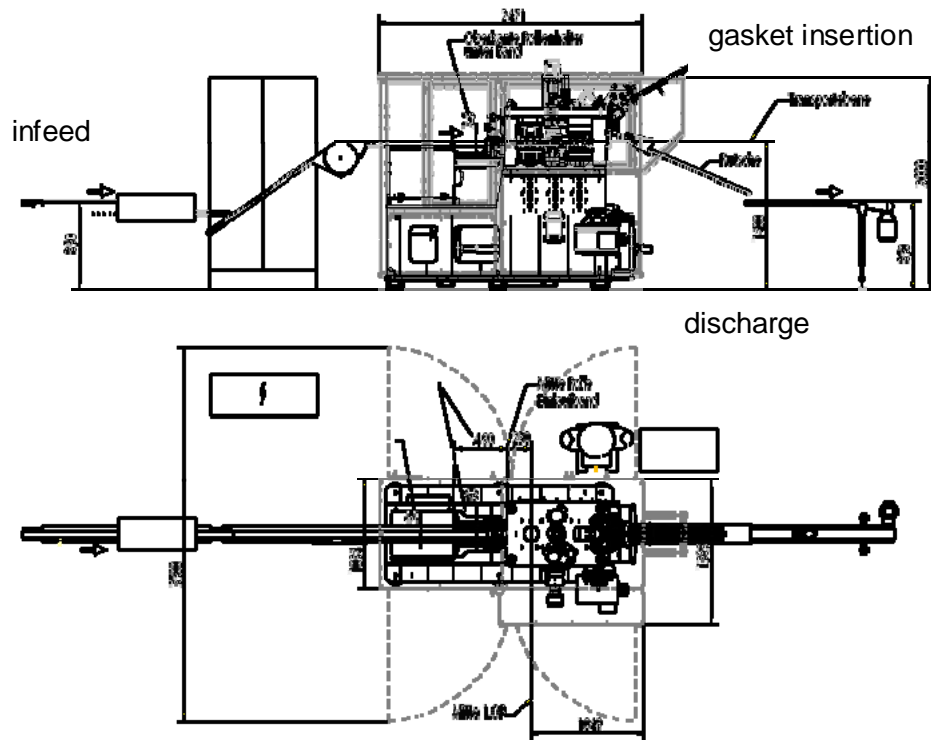
- A further operation for part handling and insertion of gaskets can be integrated.

Special tools available in stock:

DIA 99 tools for (aluminium and tin) top and bottom can parts
DIA 87 tools for (aluminium and tin) top and bottom can parts

Other formats and operations can be installed according to your demands.

LAYOUT



TECHNOLOGICAL ADVANTAGES

- multifunctionally applicable – forming, rolling and embossing operations in one machine in different stations possible
 - blanking
 - drawing
 - trimming
 - pre-curling
 - die-curling
 - knurling
 - edge forming
 - thread forming
 - beading
 - calibrating
- additional modules for handling operations can be integrated
- combination of operations according to your product

DESIGN ADVANTAGES

- format size flexibility
- fast and easy tool change
- easy access to all machine components
- low maintenance due to high quality components

SAFETY STANDARDS

machinery directive 98/35EG

TECHNICAL DATA

	U-ME – 100/4
Performance up to	100 cpm*
Number of working operations	4 (3 forming + 1 handling operation)
Can diameter Can height	45 – 160 mm** 5 – 40 mm** Existing die-set DIA 99 mm, H 17,5 mm
Material specifications	Deep drawn can bodies and covers, lids of tinplate or aluminium
Sheet thickness	0,12 – 0,36* mm
Power supply	8 kVA
Compressed-air supply	G1/2"; 0.6 MPa; 6 bar; 87 psi
Mass	3500 kg
Machine dimensions	2470 x 1370 x 2000 mm
Pass line height for transfer	1400 mm

* depending on size

** other formats on request

Please contact us for further information:

CONTACT

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