

## Machines and tools for thermoforming and packaging technology

Sheet processing machines  
Automatic roll-fed thermoformers  
for forming/punching tools  
Automatic roll-fed thermoformers,  
separate forming and punching,  
Skin and blister packaging machines  
Form, fill and seal lines  
ILLIG-produced tooling

# illig®

Automatic pressure  
former RDM 58/3  
for shallow items

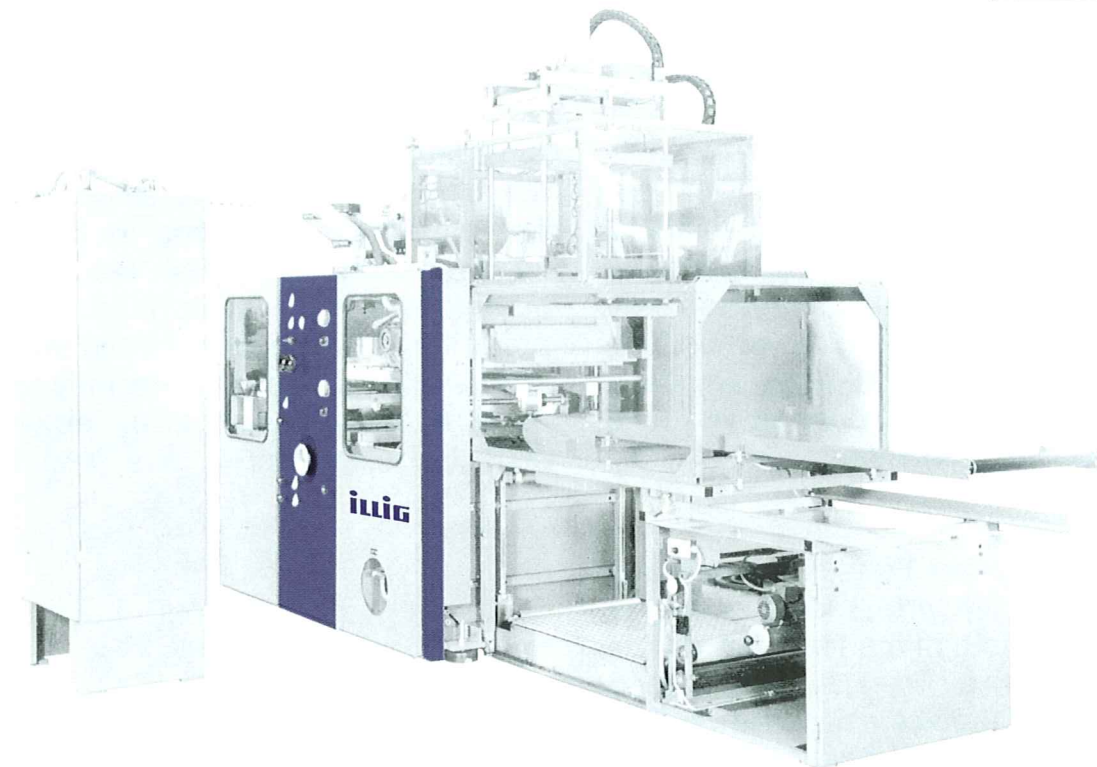
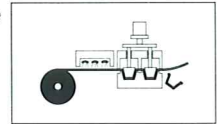


photo RDM 58/3



### Technical data

### RDM 58/3

Forming area max	mm	550x315
Material width max	mm	580
Feed length max	mm	330
Depth of draw female/male max	mm	30/30
Number of cycles (dry) max		50
Roll diameter max	mm	1200
Cutting length max	ca. mm	3200
Closing force of forming station	daN	12 000
Electrical connected load-top heater	kW	24.75
Electrical connected load-bottom heater	kW	22.5
Total connected load with bottom and top heater	kW	50.85
Heat dissipation top heater	kJ/h	27 000
Heat dissipation top and bottom heater	kJ/h	51 100
Compressed air consumption for each cycle with 6 bar	l	140
Total length of machine with material roll-diameter: 1200 mm	mm	7750
Total width of machine without control cabinet	mm	2400
Total height of machine	mm	3430
Weight without roll stand and tool	approx. kg	3500

# Automatic pressure former RDM 58/3 for shallow items

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## High hourly output due to large forming area and large number of production cycles.

The automatic pressure former for shallow packaging items is designed for tools consisting of several rows. Forming is effected without plug-assist. The finished products are discharged in upward direction through the top part of the tool into a counting and stacking unit. The results in a trouble-free stacking of snap-on lids. The bases of those lids are considerably higher than the outer cutting contour levels.

## Roll stand

The roll stand has a material roll shaft – material supply rolls up to 1200 mm can be affixed to that shaft with two clamping cones. A mechanically adjustable disc brake provides for uniform material tension. As optional extras we offer a pneumatic material lift-in device as well as a pneumatically-operated brake.

## Material transport

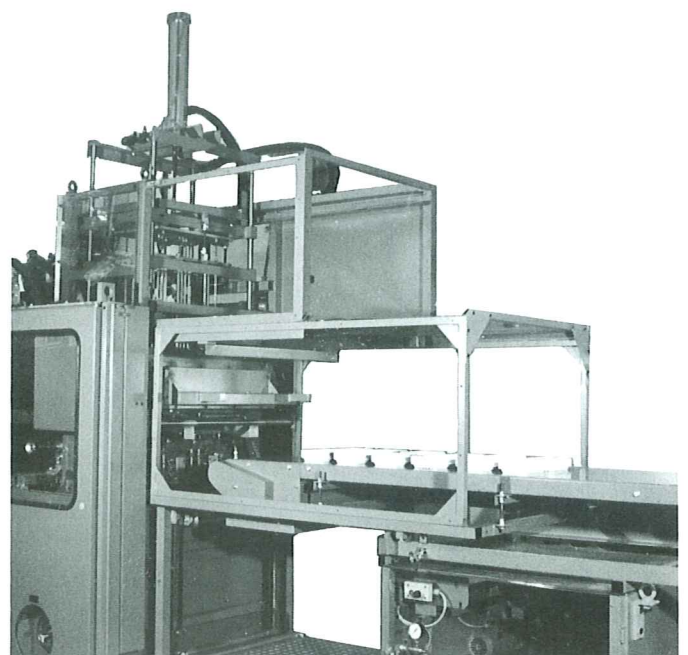
Material is transported by maintenance-free spiked chains which are guided in cooled guide rails. The width of the transport chains can be adjusted by means of threaded spindles. The servo-motor installed is used for initial material transport. Furthermore we offer an automatic pneumatically actuated spreaded transport system for PP-processing. As additional extra device there is an electronically controlled material drive unit for print mark registration. If the skeletal waste material is not immediately guided into a waste mill, it is passed on to an additional rewind system.

## Heater

The standard equipment of the machine contains a top heater which is equipped with infrared ceramic heater elements. Each of the eight longitudinal rows of heater elements can be individually controlled. This results in evenly distributed heating of the material edge areas. It also has a favourable influence on the complete heating pattern. As an additional option we can supply a bottom heater with total area control.

## Forming station

The forming station features an infinitely variable geared motor and a cam. Thus the forming station achieves short cycle times and offers the advantages of highly efficient production as well as best reproduction accuracy. The tools used are combinations of forming and punching tools. They are installed to the stationary upper tool bridge and the movable lower tool bridge. The standard tool installation aid and the fact that the forming station is easily accessible allow for a complete tool change in no time. During the forming process the upper part of the tool is sealed by a slide. The stacking hole opens in order for the finished products to be stacked upward through the tool. Ejectors moving upward press the finished products into the counting and stacking unit. From there, they are passed on to a transport line at an ergonomically correct removal level.



counting and turn-over unit