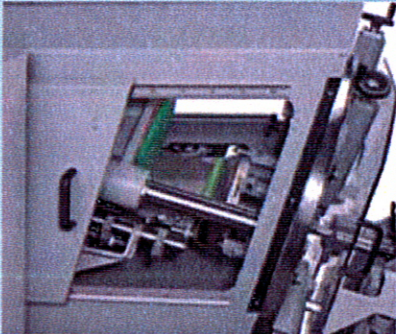


An extremely robust die-cutter with increased punching power for large formats up to 330 x 380 mm, with light barrier activation for the cutting stroke. The machine is mainly used for counter-pressure cutting.



Sliding door on the rear

Die-cutting machine CL

The machine design is very similar to models BL und BLS, adapted for the extremely high punching power and the larger cutting size.

Activation of the cutting stroke:

By activating the electronic light barrier. The cutting stroke is activated automatically after the operator has inserted the stack of material and his/her hand has been withdrawn from the punching section. The machine stops if the operator breaks the light barrier during the cutting process.

The machine is supplied with 5 adjustable clamping arms, waste slitters and holders which are fitted into the clamping arms, thus being able to reach any required position for slitting the waste. The number of waste slitters needed is determined by the material, size and contour of the product to be die-cut.

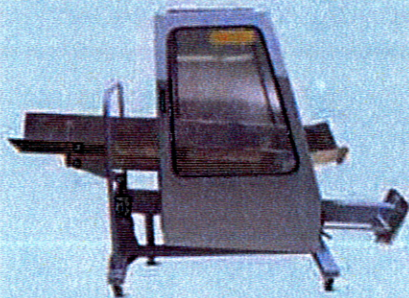
The sliding door on the rear of the machine facilitates the fitting of the die and the waste slitters. This offers access to the cutting section from the control and rear side.

The die-cutter, connected with a counter-pressure unit, is most commonly used for cutting contours of large-sized in mould labels and similar products made of plastics like PE or PP-foil.

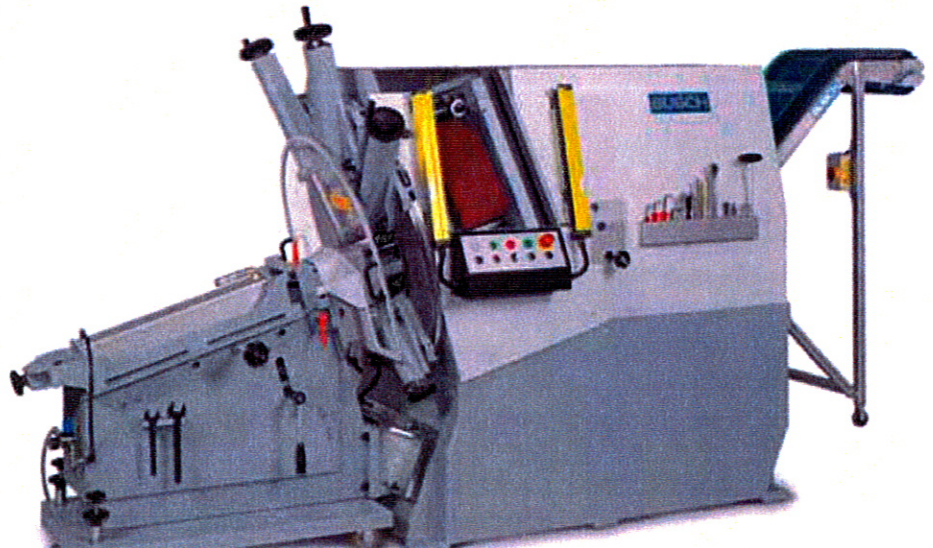
For large-sized products of paper, board or PVC, where no counter-pressure is needed, the die-cutter is fitted with a delivery tray in place of the counter-pressure device. Changeover time approx. 30 minutes.



CL with delivery tray

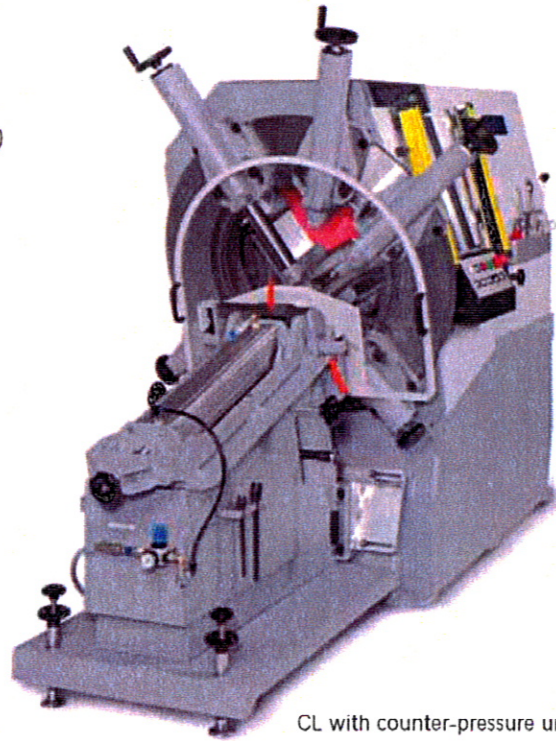


Trolley with delivery tray



The pneumatic mobile counter-pressure unit is fitted to the die-cutter and to a compressed air supply. The die is especially manufactured for counter-pressure cutting with a movable matrix of plastic or aluminium inside the die. The material is placed in front of the die with the projecting matrix and is held vertically in the die for stabilizing during the hydraulic cut. When the ram reaches the end of its stroke, the finished material is pushed back into the feeding tray by the pneumatic counter-pressure cylinder, from where it is removed.

See also page 7
(Description of die-cutting with counter-pressure)



CL with counter-pressure unit

Die-cutting machine CL

Model	CL	
Max. die-cut size	mm	330 x 380
Min. die-cut size	mm	80 x 100
Min. die-cut size with counter-pressure	mm	70 x 140
Max. diameter for circular products	mm	365
Max. stack height (height of cutting die 90 mm)	mm	210
Die-cutting pressure	kg	11.700
Die-cutting strokes ¹⁾	per min	9
Machine output ¹⁾ (inserting 1.000 sheets/80gsm)	sheets/h	540.000
Weight	kg	2.600

¹⁾ Max. achievable output. Die-cutting with counter-pressure reduces the output approx. by half

Counter-pressure unit GD-3

Model	GD-3	
for die-cutting machine CL		
Pneumatic connection		
Max. compressed air requirements	nl/min	65
Counter-pressure, adjustable	bar	0-8 (630 kg)

The use of a counter-pressure unit is required

- when die-cutting plastics like PP or PE foil for large-sized in mould labels and similar articles. Working with the counter-pressure unit minimises stretching or movement of the material during the cutting process.