

# WINKLER+ DÜNNEBIER

# WD

## 249



**Machine for manufacturing pockets and booklets**

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**HELIOS 249**

The HELIOS 249 is a reel-fed machine for manufacturing centre seam and side seam pockets as well as wallet shaped envelopes (booklets). The pockets and envelopes can be provided with dextrine or latex seal flap gumming.

The machine can be equipped with a window cutting and patching section as well as flexographic printing units. If only up to three printing units are required, these can be mounted on the reel stand. In this case, the printing stand is not needed and the length of the machine is considerably reduced.

The printing units have been designed according to the latest technology in flexographic printing. The duct roller is driven independently by a geared motor. When the machine stops, the cylinders continue to rotate and the plate cylinder is thrown off the screen roller and the impression cylinder by a pneumatic cylinder.

The HELIOS 249 is remarkable for its clear design, accessibility and ease of operation.

The machine ensures very economical manufacture of long runs. As there is no cost for punching the blanks, this will favourably influence overall costings.

The pockets and envelopes manufactured on the new reel-fed machine are of very high quality. The rotary knives used guarantee that no cutting differences occur and all pockets are equally good. The direction of the paper grain is parallel to the inserting direction so that the made-up pocket or envelope has good rigidity characteristics and manual or automatic filling is facilitated.

On request, the machine can be equipped with an automatic boxing unit which is highly appreciated in view of the high output of the machine.

It is possible to equip the machine with a device for manufacturing Gussets.

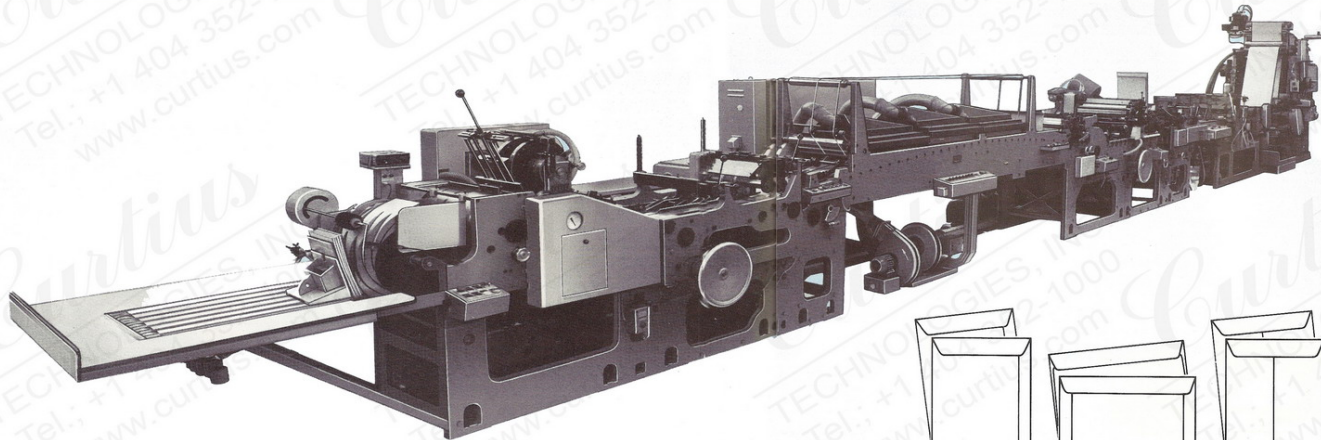




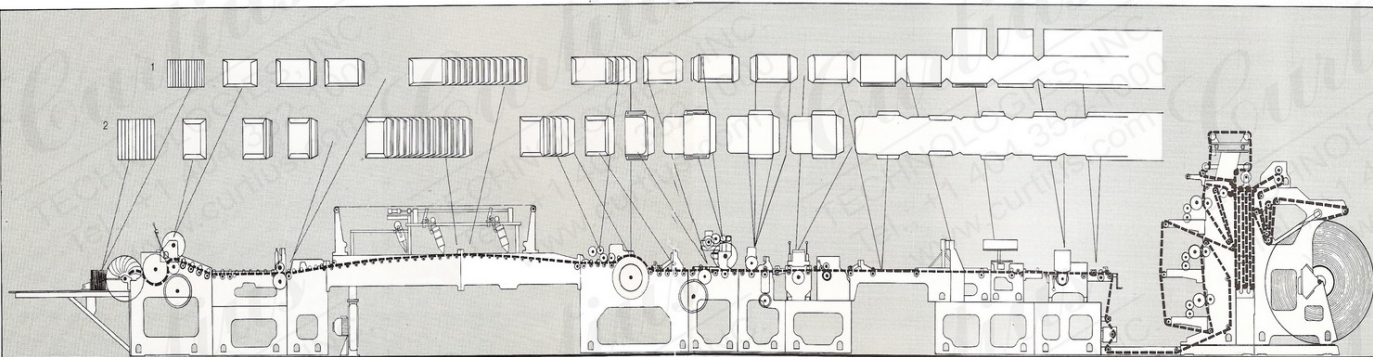
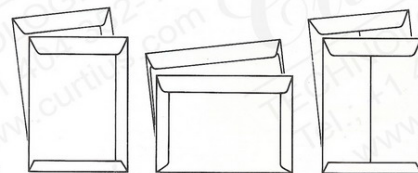


Machine for manufacturing  
pockets and booklets

HELIOS 249



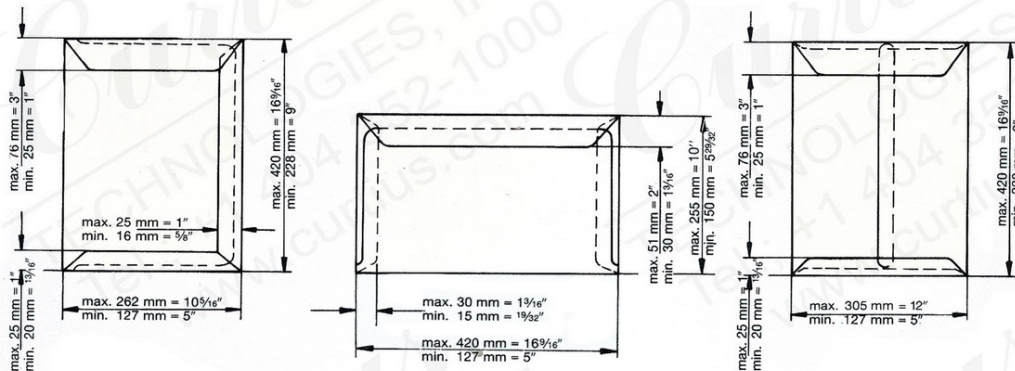
without additional guards



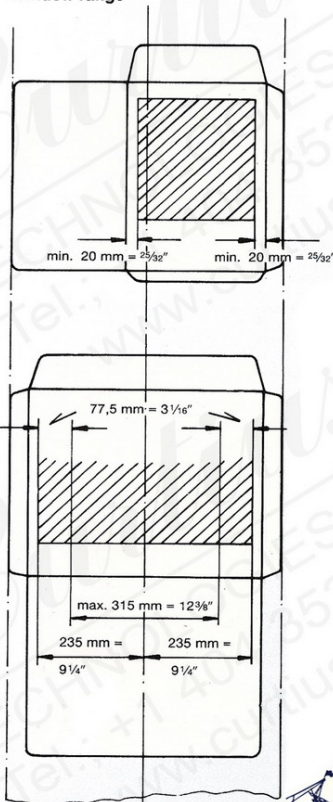
1. Side seam gumming (or centre seam gumming)

2. Outer side flap (or inner side flap)

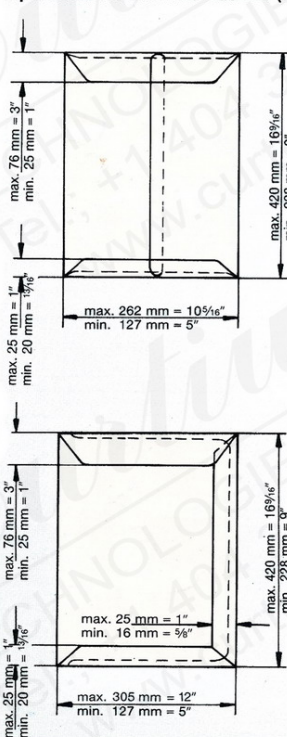




### Fensterbereich Window range



### Special execution of the machine (249.01)



**500**

**max. 1500 mm = 59"**

**max. 625 mm = 24<sup>19</sup>/<sub>32</sub>"**

**80 – 150 g/m<sup>2</sup>**

**max. 535 mm = 21<sup>1</sup>/<sub>16</sub>"**

**min. 273 mm = 10<sup>3</sup>/<sub>4</sub>"**

**max. 625 mm = 24<sup>19</sup>/<sub>32</sub>"**

**min. 250 mm = 9<sup>27</sup>/<sub>32</sub>"**

**3**

**6**

**max. 500 mm = 20"**

**max. 280 mm = 11<sup>1</sup>/<sub>32</sub>"**

**min. 30 mm = 1<sup>3</sup>/<sub>16</sub>"**

**max. 178 mm = 7"**

**min. 35 mm = 1<sup>3</sup>/<sub>8</sub>"**

**max. 900 mm = 35<sup>7</sup>/<sub>16</sub>"**

**max. 420 mm = 16<sup>17</sup>/<sub>32</sub>"**

**min. 100 mm = 3<sup>15</sup>/<sub>16</sub>"**

**max. 60 mm = 2<sup>3</sup>/<sub>8</sub>"**

**min. 20 mm = 1<sup>25</sup>/<sub>32</sub>"**

**55 kVA**

**+ 8 kVA**

**+ 5 kVA**

**220/380 V = 40 kW**

**415 – 460 V = 43 – 58 kW**

**22080 x 2500 x 3100**

**24650 x 2500 x 3100**

**25320 x 2500 x 3100**

## Technical Data:

**max. output/minute  
pockets and envelopes  
with remoistenable-,  
self-seal or pressure-  
sensitive gumming**

**diameter of paper reel**

**width of paper reel**

**paper weights**

**total blank length**

**total blank width**

**Flexo-printing units  
with special equipment**

**The paper web can be printed  
fully or partially, in width  
as well as in length.**

**diameter of window  
material reel**

**width of window material  
reel (patch width)**

**window material length**

**diameter of silicone  
paper reel (for pressure  
sensitive gumming)**

**width of silicone paper  
reel**

**length of protective strip**

**power required  
motors for standard  
execution  
for machine with windowing  
section  
for machine with protective  
strip section**

**heating for drying the seal  
flap gumming approx.**

**dimensions of the machine  
without windowing section  
with windowing section  
with windowing and  
protective strip sections**

