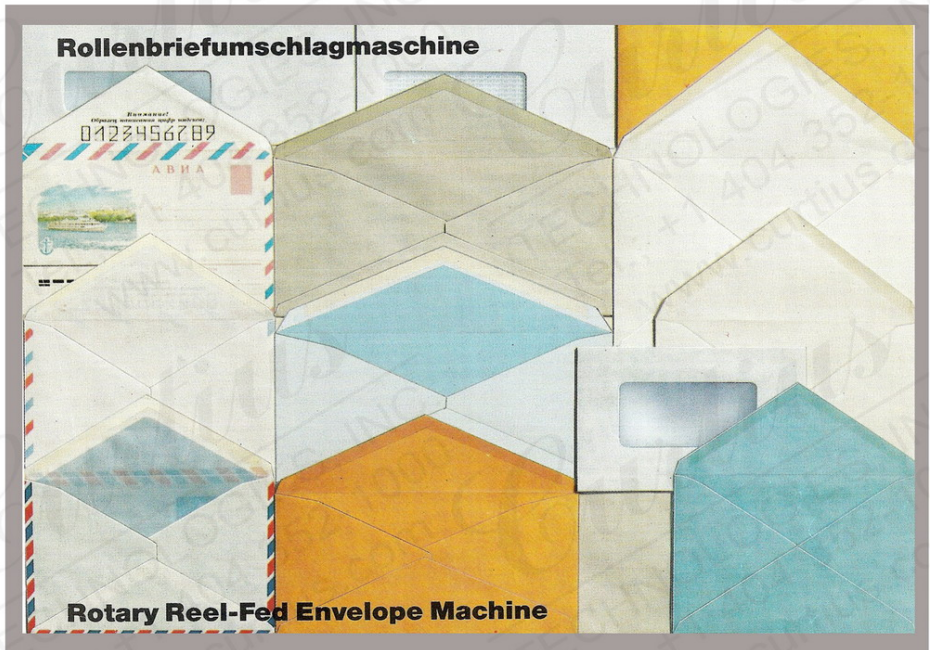


# WINKLER+ DÜNNEBIER

# WD

## 399 H/HS



## Rotary Reel Fed Envelope Machine





## Rotary Reel-Fed Envelope Machine

### HELIOS 399 H/HS

The HELIOS 399 H is a reel-fed machine for manufacturing envelopes with pointed or cut-off bottom flap. The corners of the side flaps (except for those formed by subsequent trimming) at the bottom flap and at the seal flap can be rounded. In this way a very pleasing envelope shape is obtained.

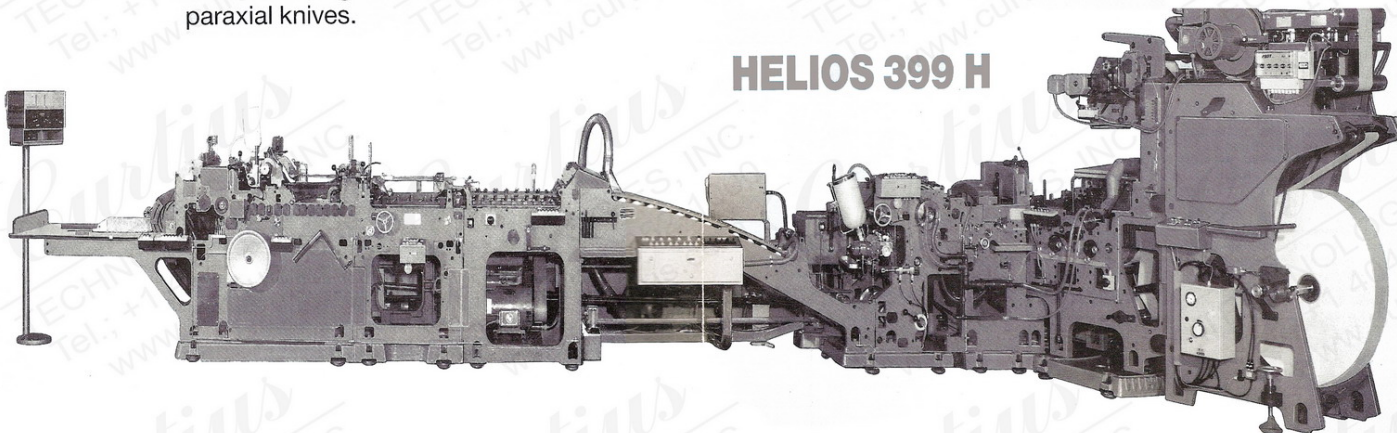
The separation of the individual blank from the paper web is carried out fully automatically and with excellent precision. The width of the paper reel is determined by the size of envelope to be manufactured.

Minimum waste in the blank cutting section is an outstanding feature of this machine.

Up to three flexographic web printing units can be incorporated.

The machine HELIOS 399 H can be equipped with a window cutting and patching section thus becoming a machine HELIOS 399 HS. The window cutting section uses one-piece paraxial knives.

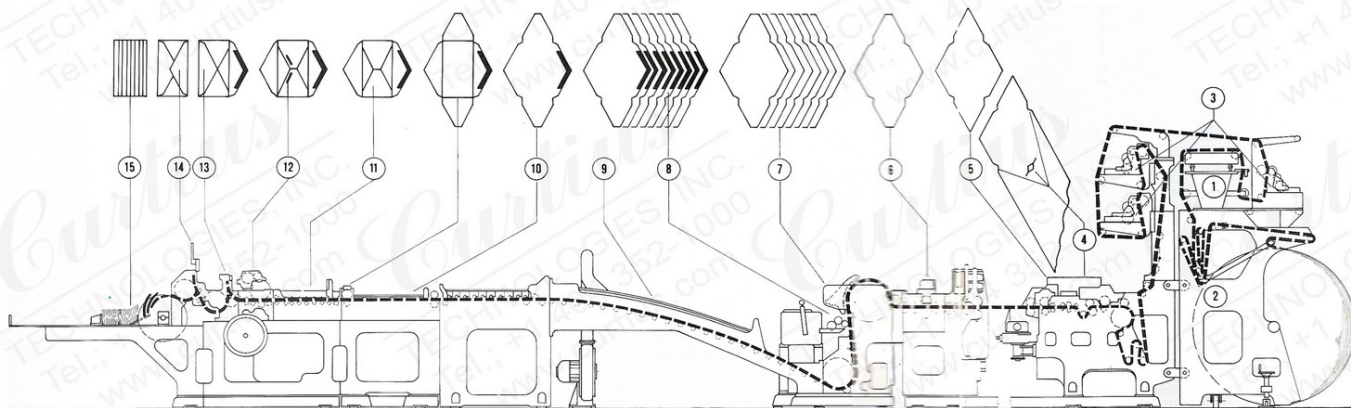
### HELIOS 399 H





# Rotary Reel-Fed Envelope Machine

HELIOS 399 H



- 1 web aligning system
- 2 unwinding section
- 3 flexographic printing unit
- 4 form cutting section
- 5 separating cutting section
- 6 trimming section
- 7 staggering section
- 8 seal flap gumming section
- 9 drying section

- 10 aligner section
- 11 side flap folding section
- 12 side flap gumming section
- 13 bottom flap folding section
- 14 seal flap folding section
- 15 delivery

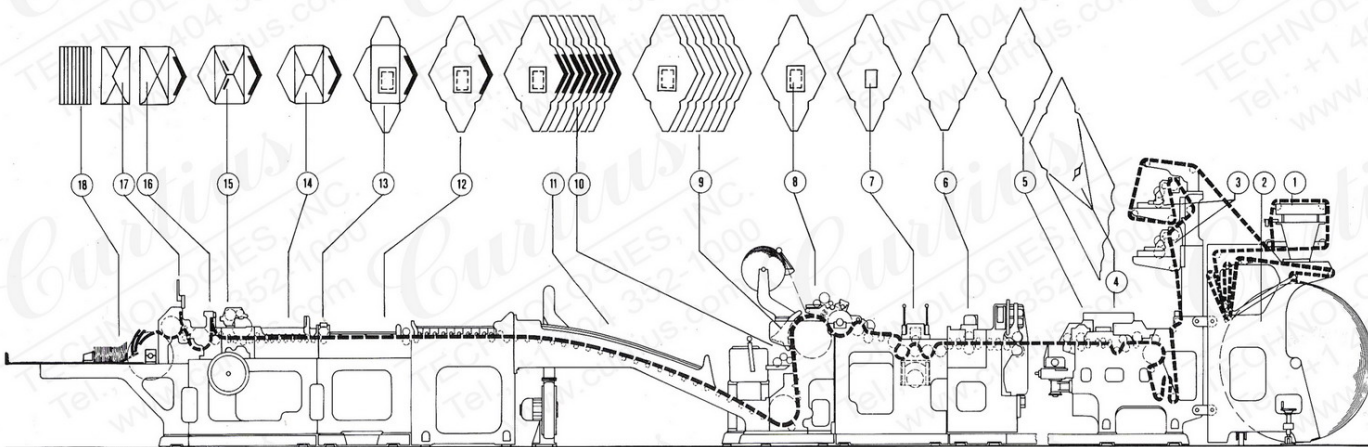






# Rotary Reel-Fed Envelope Machine

HELIOS 399 HS



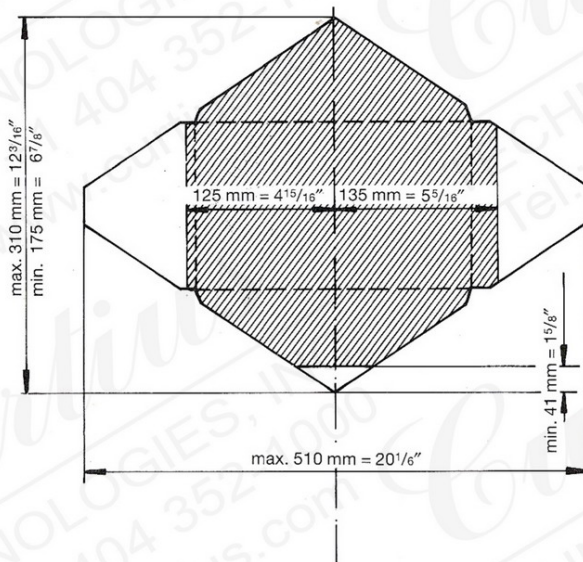
- 1 web aligning system
- 2 unwinding section
- 3 flexographic printing units
- 4 form cutting section
- 5 separating cutting section
- 6 trimming section
- 7 window cutting section
- 8 window material section
- 9 staggering section
- 10 seal flap gumming section
- 11 drying section
- 12 aligner section
- 13 scoring section
- 14 side flap folding section
- 15 side flap gumming section
- 16 bottom flap folding section
- 17 seal flap folding section
- 18 delivery

*Curtius*  
TECHNOLOGIES, INC.





**Size ranges**



**800**

**rendement max. par minute  
enveloppes avec fenêtre  
rendimiento max. por minuto  
sobres con ventana**

**max. 198 mm = 7 3/4\"  
min. 45 mm = 1 3/4\"**

**longueur de matière-fenêtre  
longitud de material de ventana**

**max. 290 mm = 11 3/8\"  
min. 30 mm = 1 1/16\"**

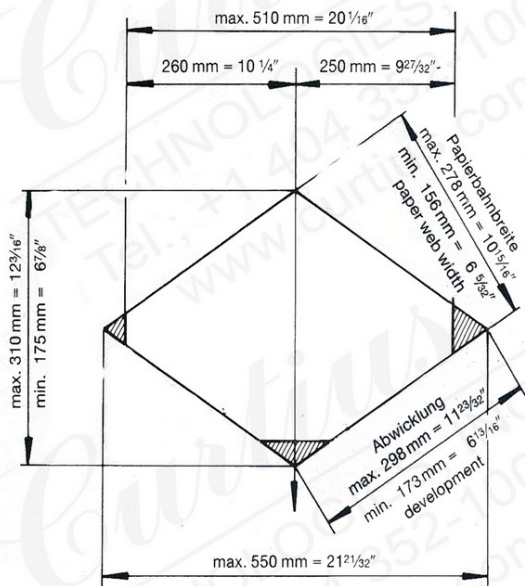
**largeur de matière-fenêtre  
anchura de material de ventana**



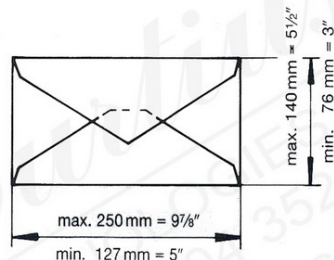
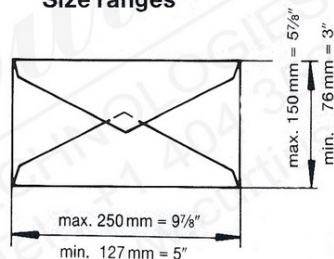


# Rotary Reel-Fed Envelope Machine

## HELIOS 399 H



### Size ranges



1.500 mm  
(59 1/32")

3

1.000

75 – 120 g/m

55 kVA  
12 kW  
15 kW

12.000 mm  
2.850 mm  
1.650 mm  
3.800 mm

11.000 kg

maximum paper-reel diameter

flexo printing units for inside and  
outside printing on the web

max. output per minute  
envelopes without window

paper weights

power required  
motors approx.  
quartz heating  
heating web printing units

dimensions of the machine

length  
height  
width  
at the reel stand

net weight approx.

*Curtius*  
TECHNOLOGIES, INC

