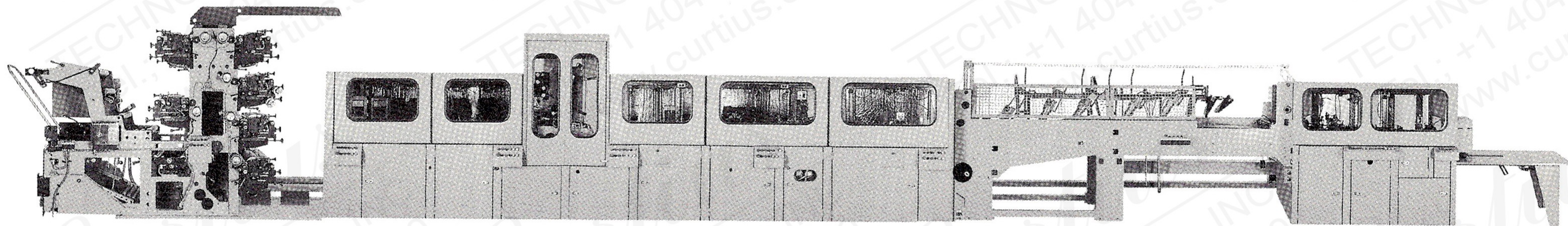




HIGH SPEED WEB MACHINE

F. L. Smithe **SW**



MACHINE SHOWN WITH OPTIONAL NOISE GUARDING

The new **CHAMPION MODEL SW** is a micro-processor controlled high-speed web machine designed to produce side-seam booklet (wallet) style envelopes and open-end (pocket) style envelopes at speeds up to 1200 envelopes per minute. The **SW** can produce envelopes with or without windows and can be equipped with up to four outside flexographic and two inside flexographic printers.

The **SW** is a completely new machine designed for high productivity and efficiency, but flexible enough to meet the constantly changing demands of the envelope marketplace. The **SW** features easy-to-use operator controls that are designed to make change-overs faster and running adjustments quick and easy. A full 360° phasing of the rotary cutters, panel cutter, patcher, cutoff knife and top and bottom scoring is achieved with a simple pushbutton control. The patcher gummer automatically synchronizes to the patch cutoff knife and the aligner section and seal fold cylinder are also

pushbutton controlled. Job programs can be saved on a floppy disc or the built-in hard drive and when recalled, the **SW** automatically phases all of the key processes circumferentially. These features and more make the **SW** the finest most flexible web machine available in the market today.

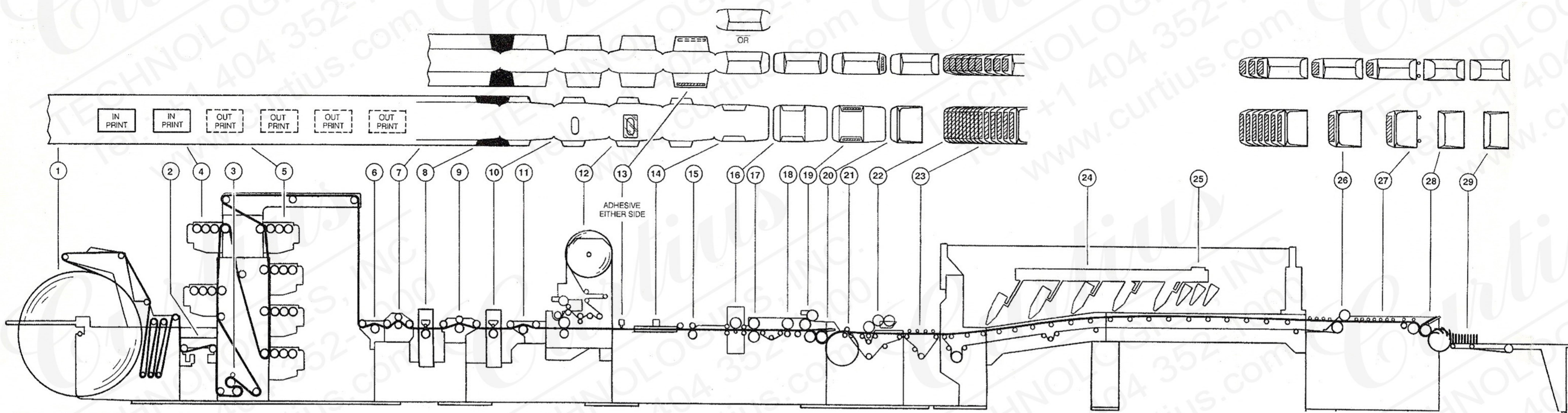
F. L. Smithe has combined their unique knowledge of envelope machinery with industrial-grade components, rugged mechanical design, and state-of-the-art control systems to produce the **SW** envelope machine that excels in productivity, reliability, and flexibility.





HIGH SPEED WEB MACHINE

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FEATURES OF THE SW

PERFORMANCE

Efficient paper line
Speed capacity up to 1200 EPM

CONTROL SYSTEMS

Touch screen operator interface
Industrial motion controller
Digital pushbutton control of feed length (no change gears)
Multiple axis servo control of envelope-making processes
Two independent servo-controlled web tension zones

PRINTING

360° individual plate phasing
Simultaneous infinite phasing of all printers

PROFILE CUTTING/PANEL CUTTING/PATCHING

Rotary knives (fly knives optional)
P. C./Patcher ± 5 " lateral adjustment

Quick-change cutter and P.C.

Automatic synchronization of patcher gummer to cutoff knife

Utilizes standard rotary cutters and P. C. dies

Precision tension control thru P.C. and patching sections

Stationary cutting bar on rotary cutter & P. C.

Servo-driven patcher, no change gears

PRODUCTION

Increased dryer length

Servo-controlled registration system for pre-printed stock

Registration system for window film

Peel and Stick (optional)

Latex (optional)

Multiple operator control panels along machine length

allows digital phasing of processes

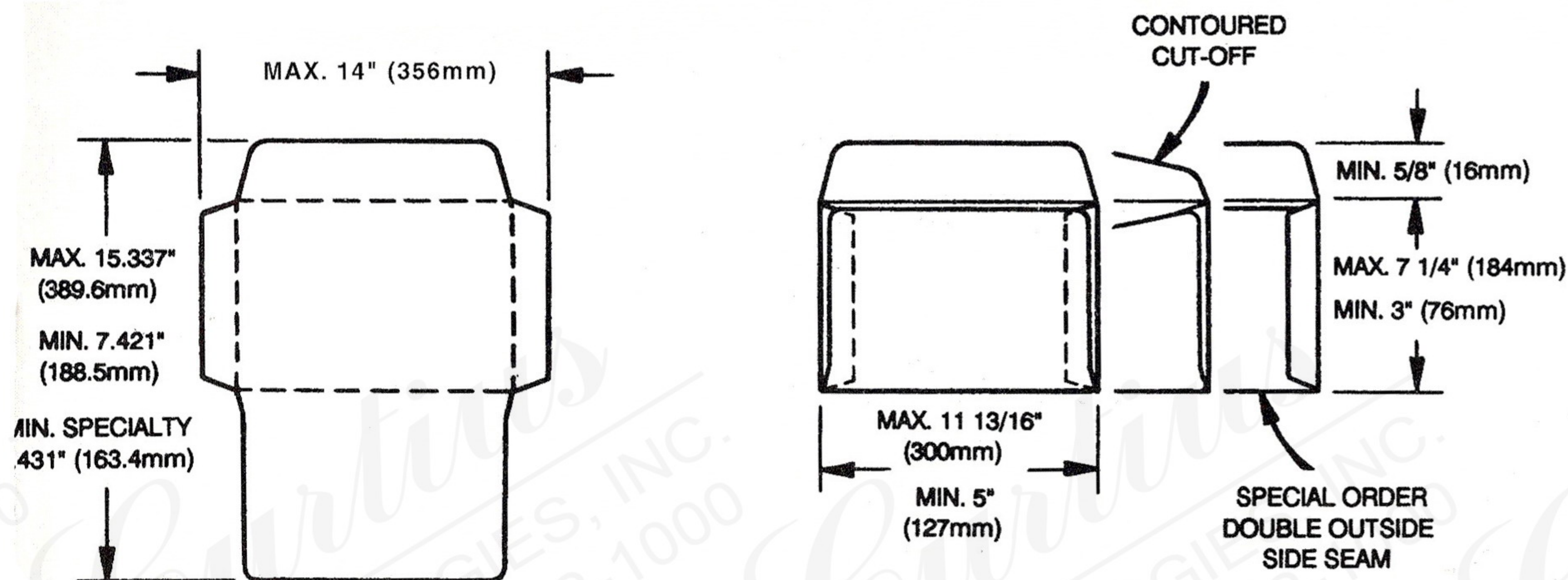
Production data acquisition system displayed on touch screen



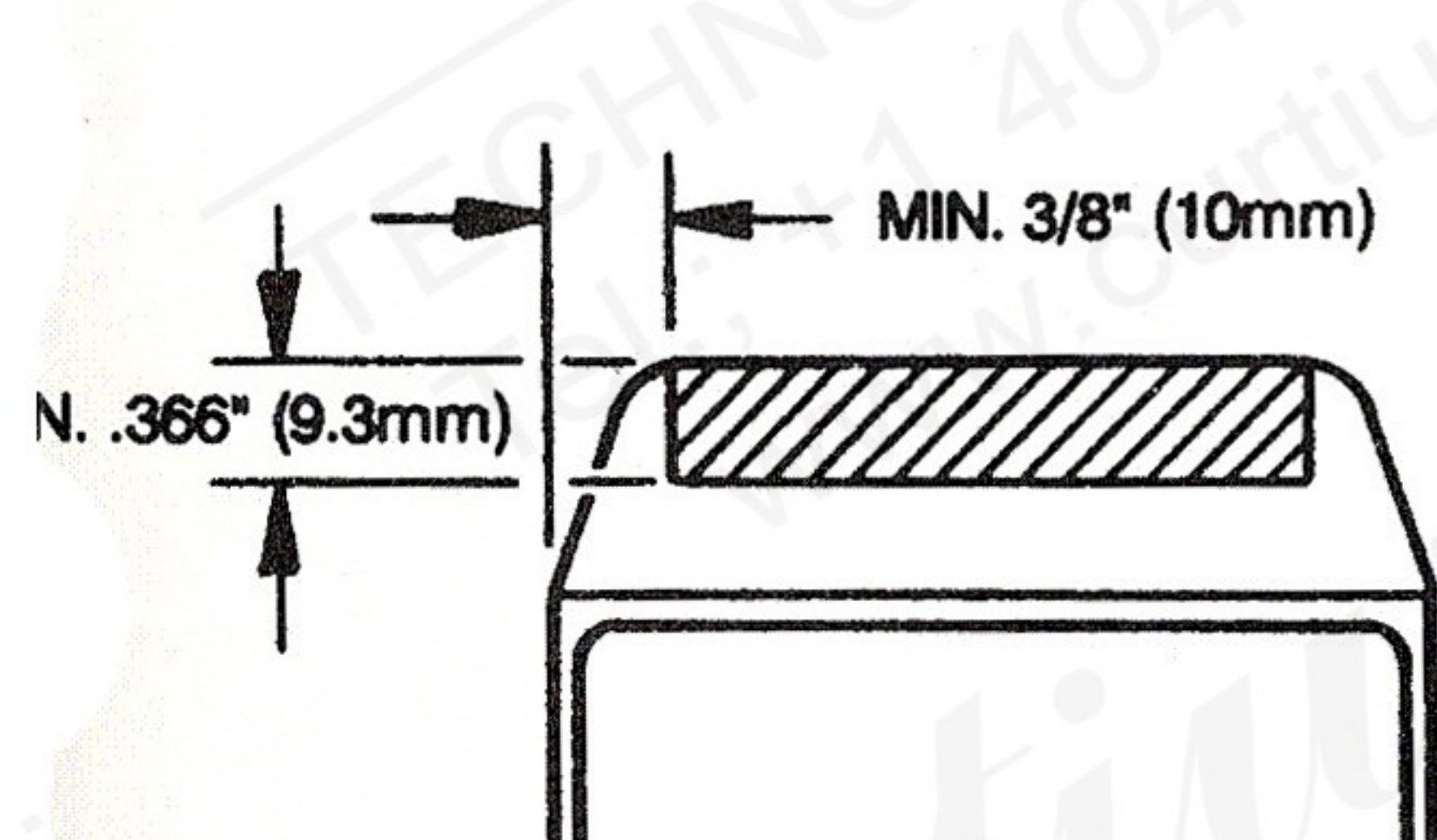
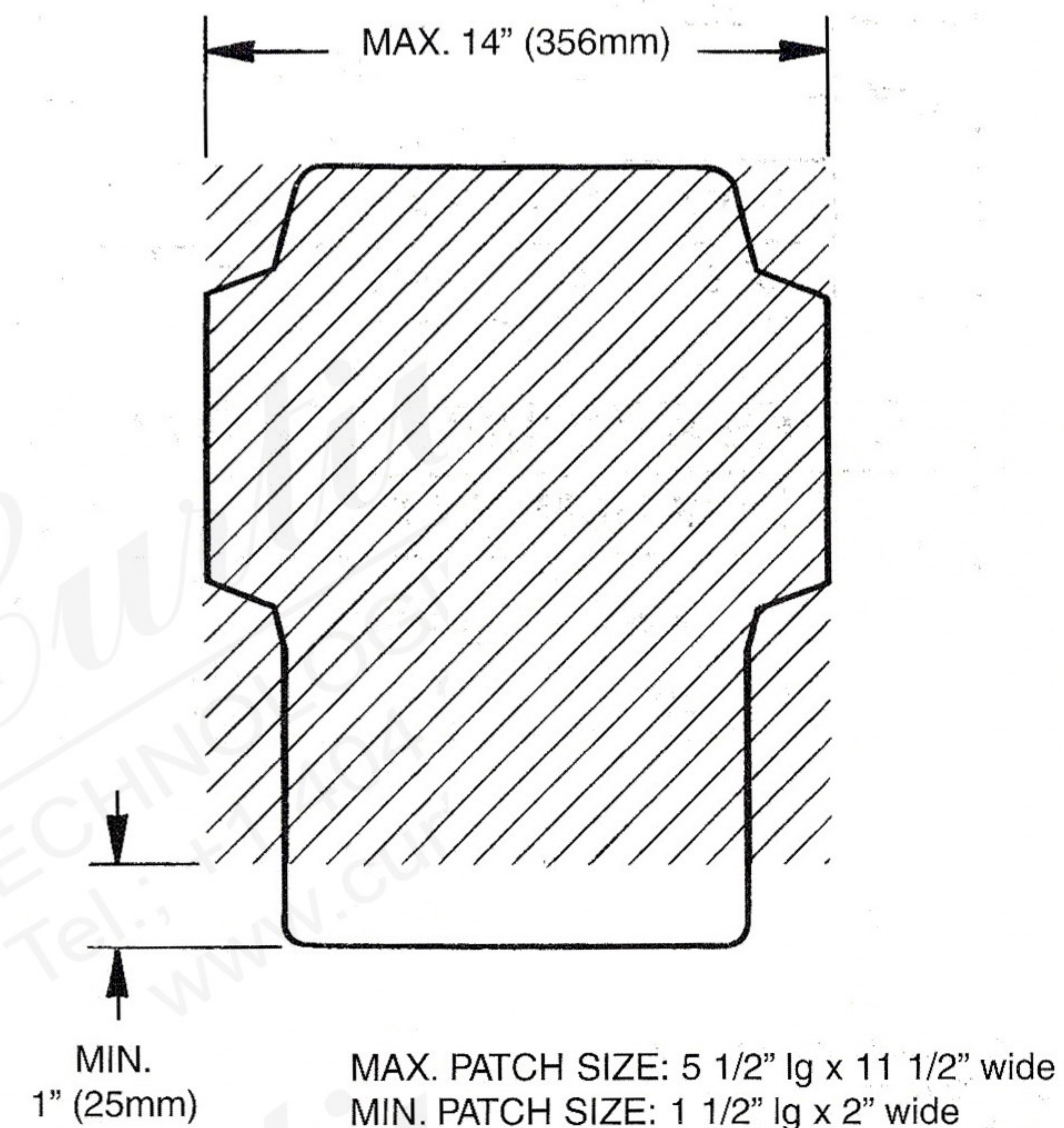


HIGH SPEED WEB MACHINE

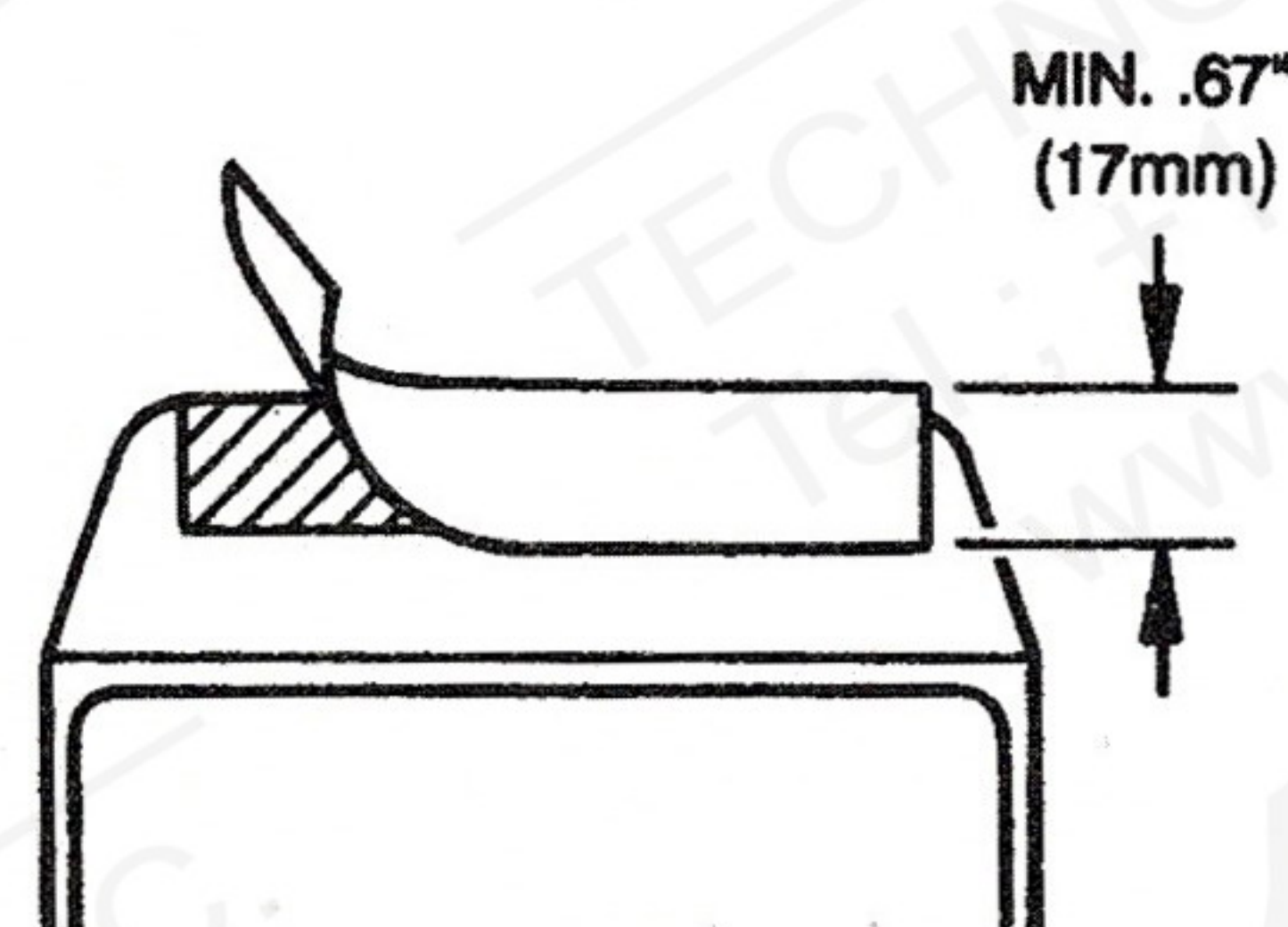
F. L. Smithe **SW**



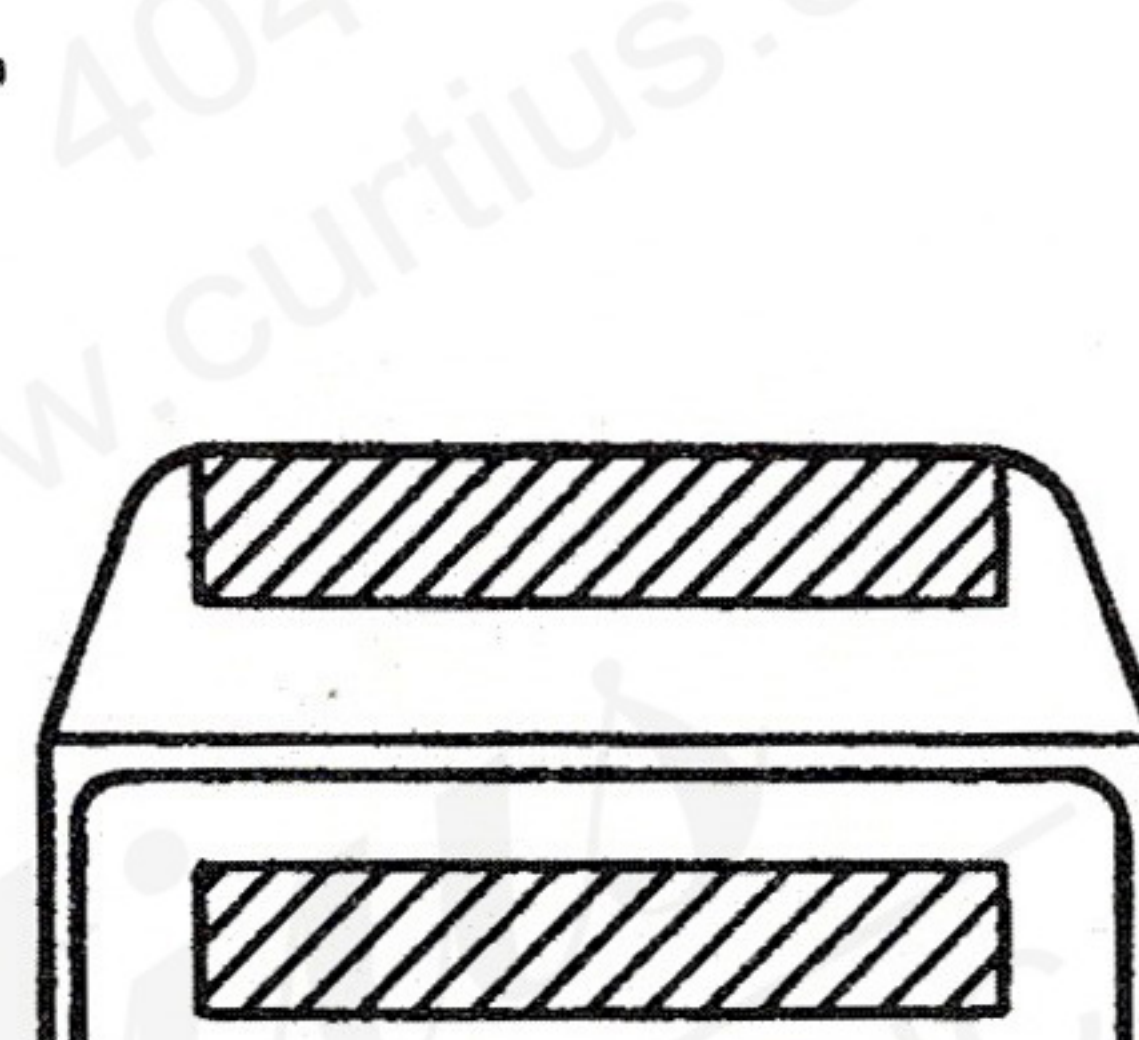
PATCH LENGTH



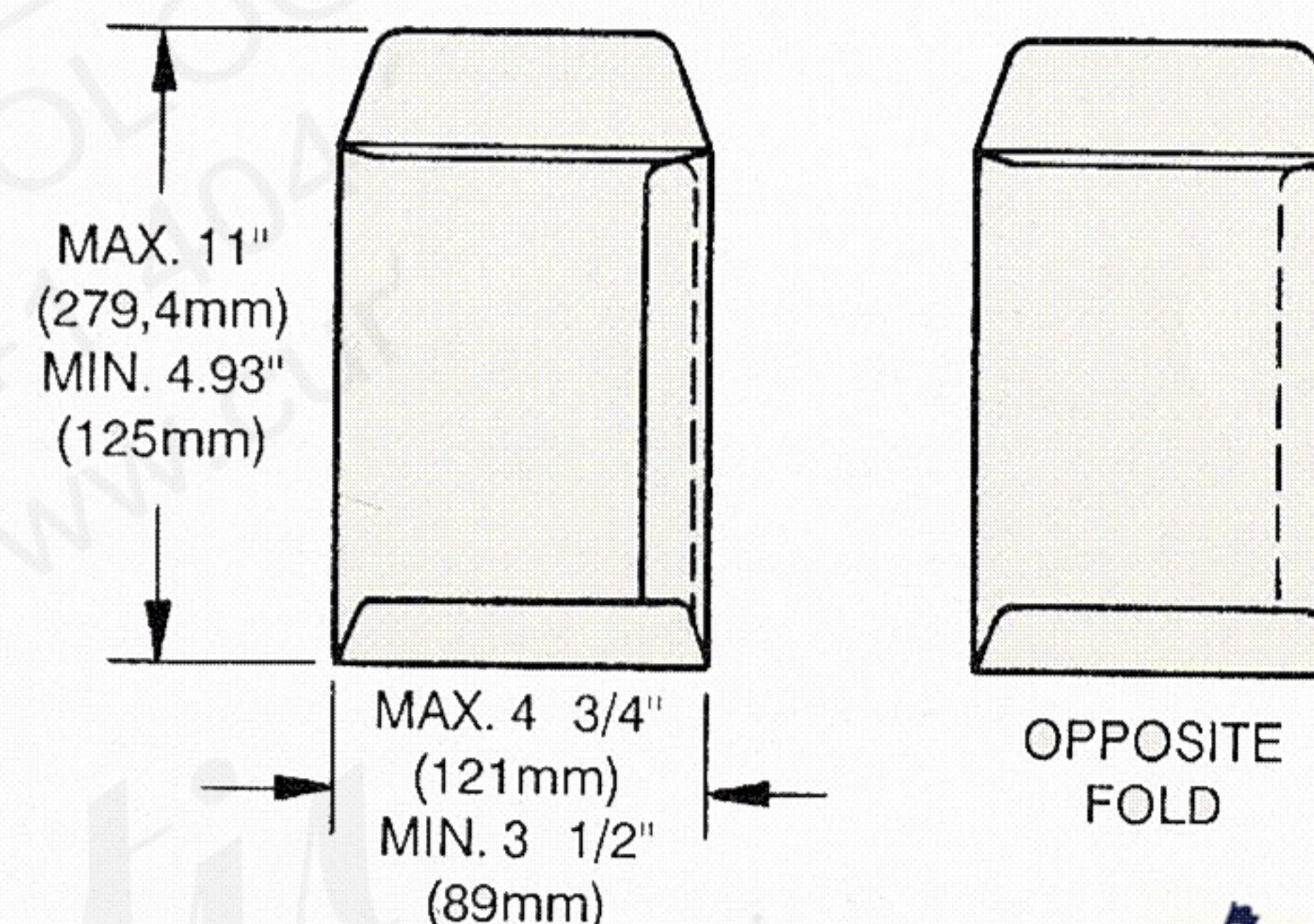
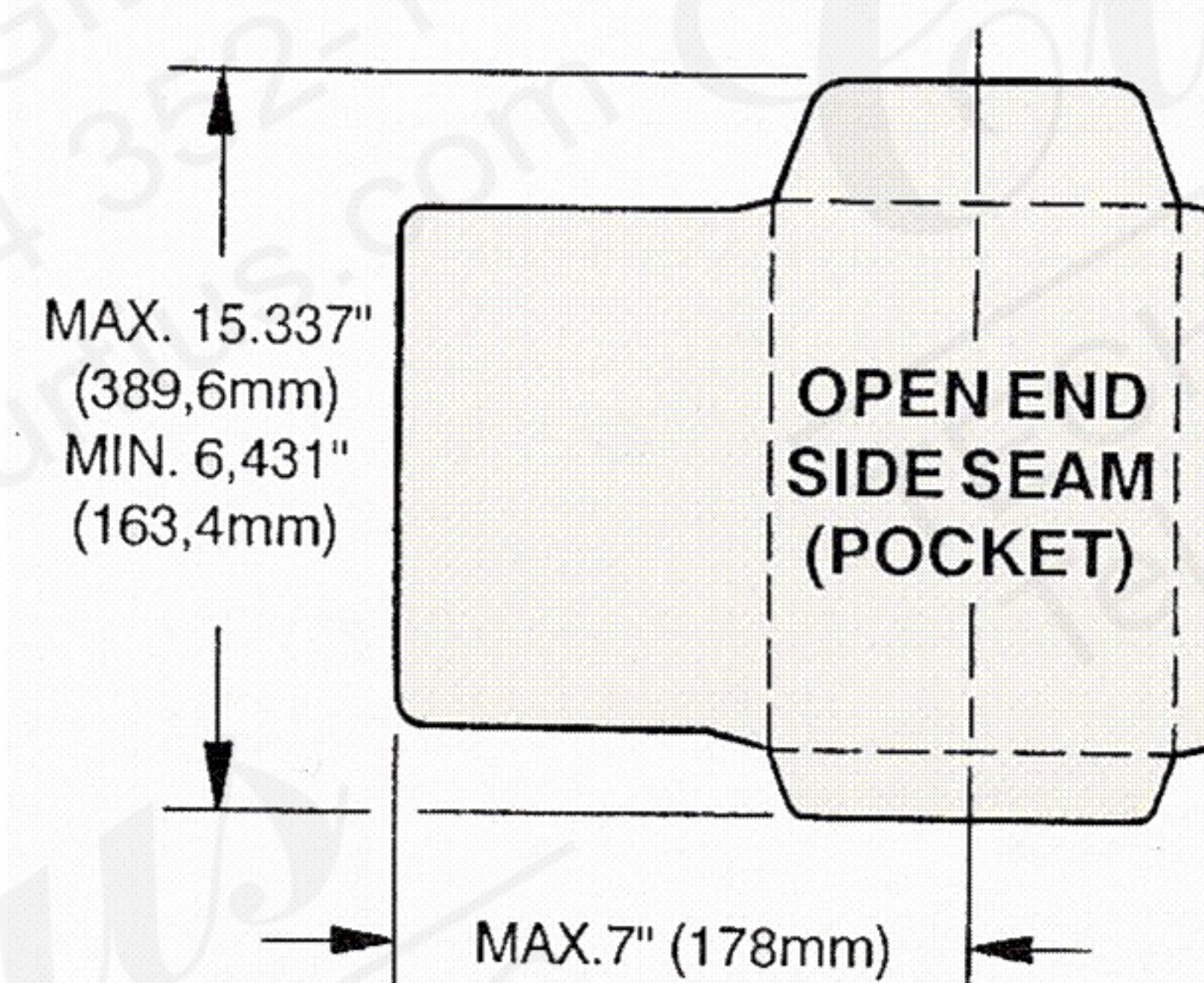
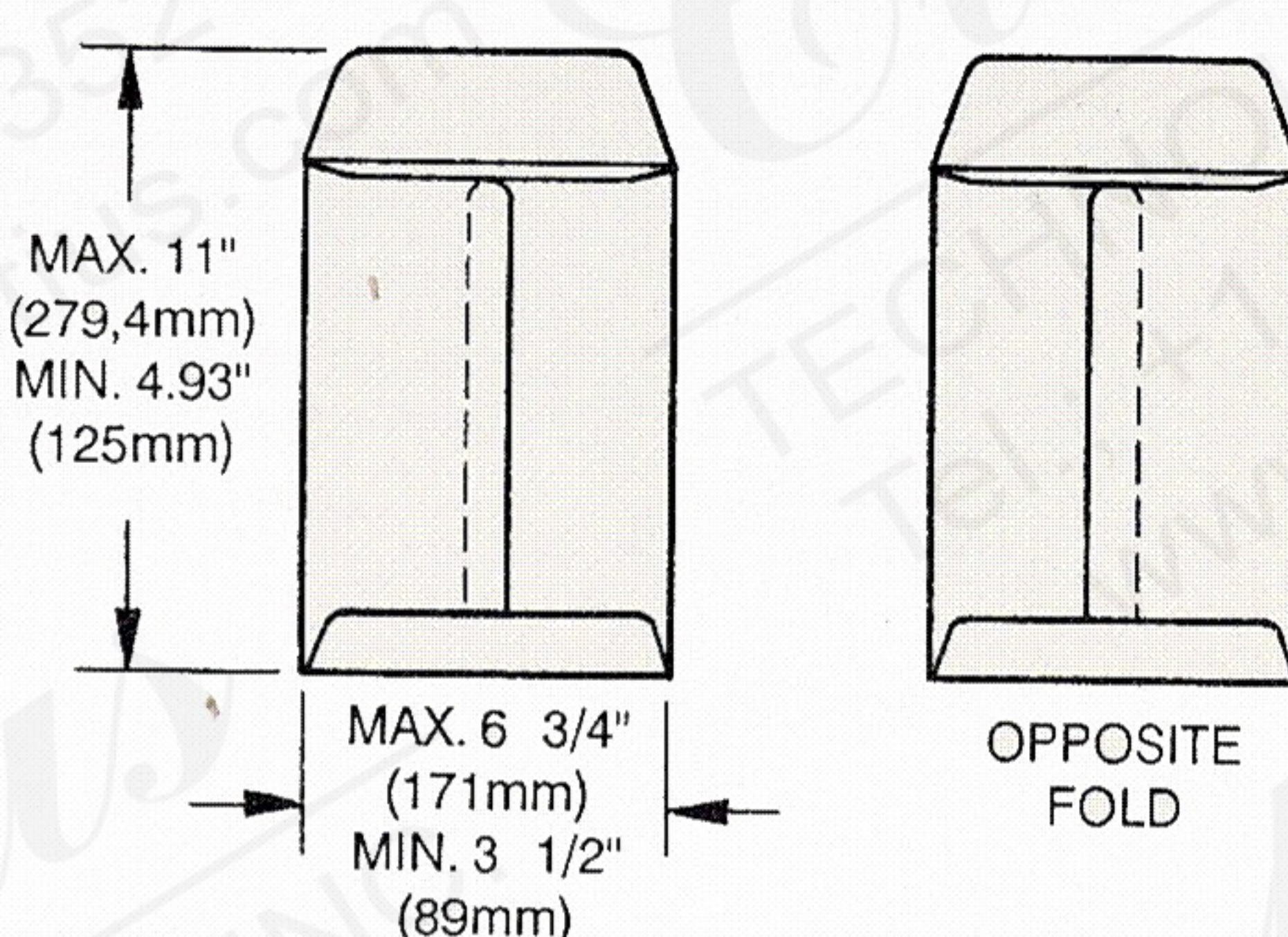
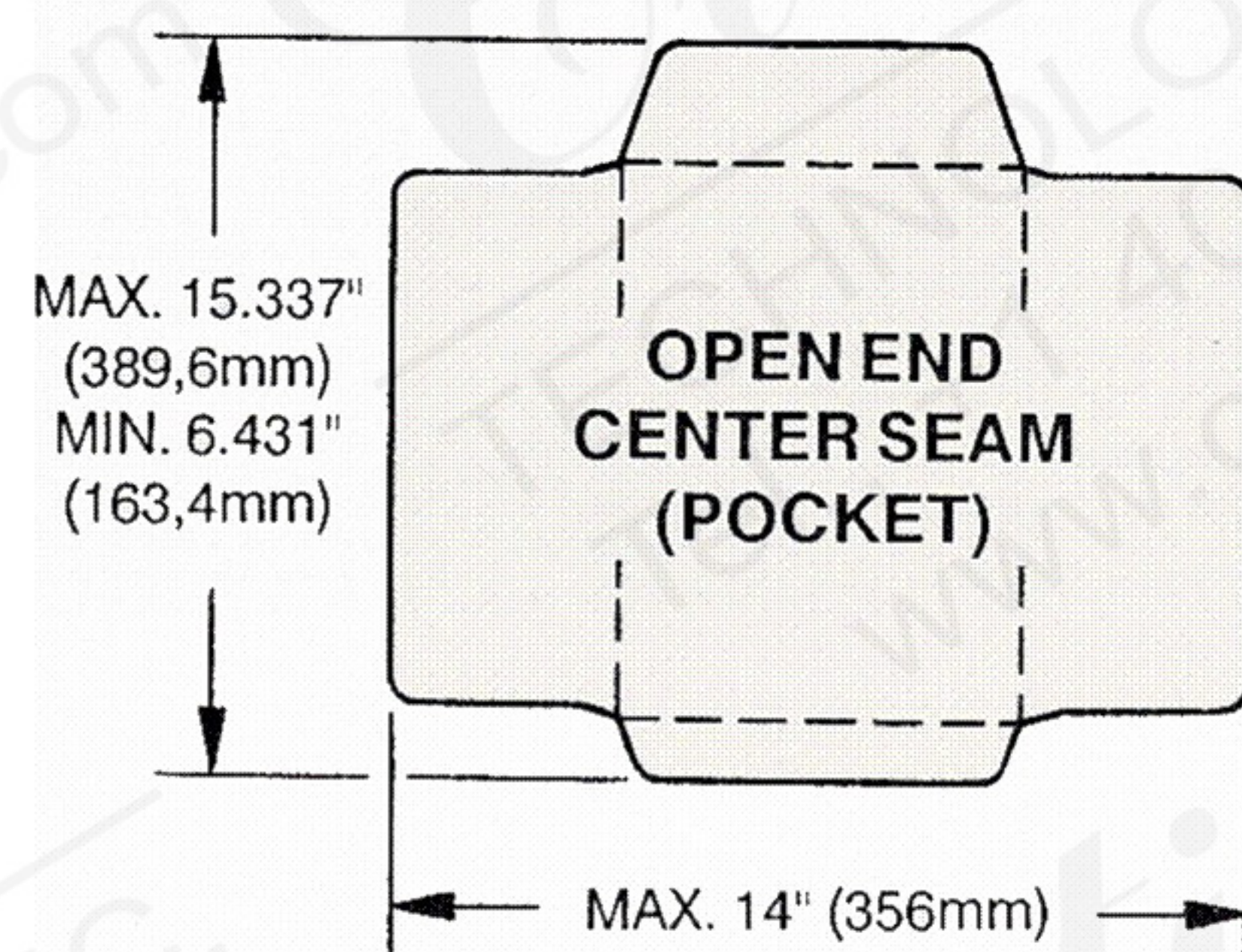
**SEAL
ADHESIVE**



**PEEL & STICK
ATTACHMENT**



**LATEX
ATTACHMENT**





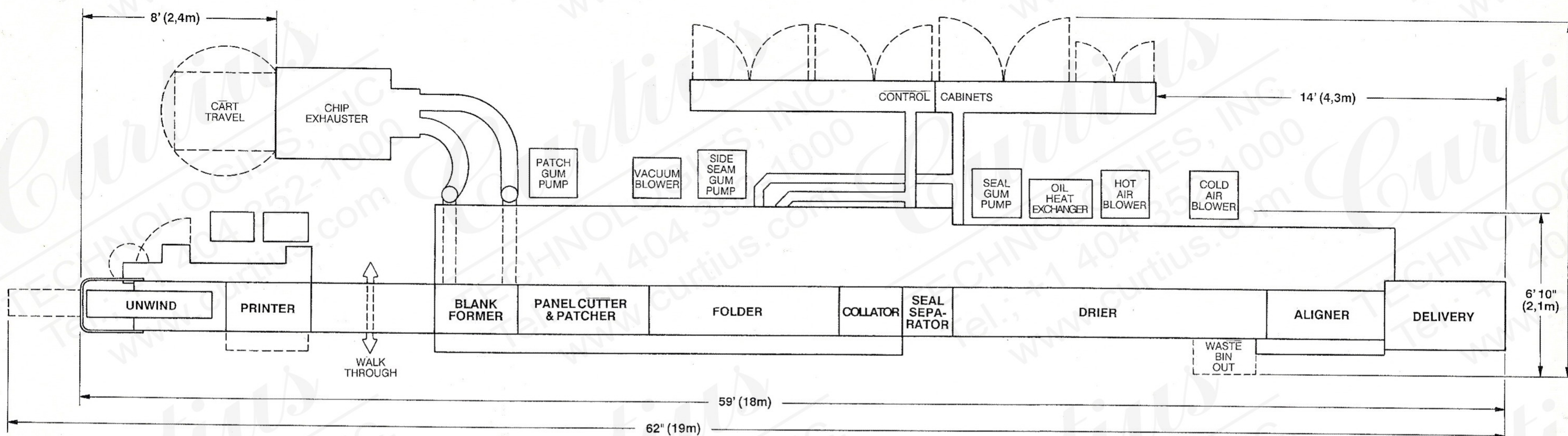
HIGH SPEED WEB MACHINE

F. L. Smithe **SW**

FEATURES

1. ROLL UNWIND
2. WEB ALIGNMENT SYSTEM
3. PULL ROLL (SERVO DRIVE)
4. INSIDE FLEXOGRAPHIC PRINTERS
5. OUTSIDE FLEXOGRAPHIC PRINTERS
6. TENSION ROLL
7. SIDE SCORER
8. ROTARY SIDE CUTTERS
9. PULL ROLL (SERVO DRIVE)
10. PANEL CUTTER
11. TENSION ROLL
12. H.S.P. WINDOW UNIT
13. CENTER SEAM ADHESIVE (O.E.)
14. SIDE FLAP FOLDER
15. PULL ROLL (SERVO DRIVE)
16. CUT-OFF
17. PULL-OUT
18. TOP AND BOTTOM SCORER
19. SIDE SEAM GUMBOX
20. BOTTOM FLAP FOLDER
21. COLLATOR
22. SEAL GUMBOX
23. SEAL ADHESIVE SEPARATION
24. HOT AIR DRIERS
25. COLD AIR DRIERS
26. PULL OUT
27. FRONT PIN ALIGNER
28. SEAL FLAP FOLDER
29. DELIVERY

Floor Plan





HIGH SPEED WEB MACHINE

F. L. Smithe **SW**

ELECTRICAL SPECIFICATIONS WITHOUT VACUUM & PRESSURE PUMPS							
SW	TOTAL CONNECTED LOAD - AMPS						
	3Ø-60 Hz				3Ø-50 Hz		
	208 V	230 V	460 V	575 V	380 V	415 V	440 V
	362	340	205	165	209	204	202

NET WEIGHT OF BASIC SW MACHINE APPROX. TOTAL NET WEIGHT	
LBS	KG.
36660	16664

PRESSURE & VACUUM REQUIREMENTS - FREE AIR				
SW	VACUUM (80 P.S.I.)		PRESSURE (15" HG)	
	CFM	m3/hr.	CFM	m3/hr.
	30	51	420	714

