

SANDERSON®

●●● TUBE PERFORATING SOLUTIONS ●●●



SANDERSON TPML4
WORLDS FIRST INTERNAL TUBE PERFORATOR

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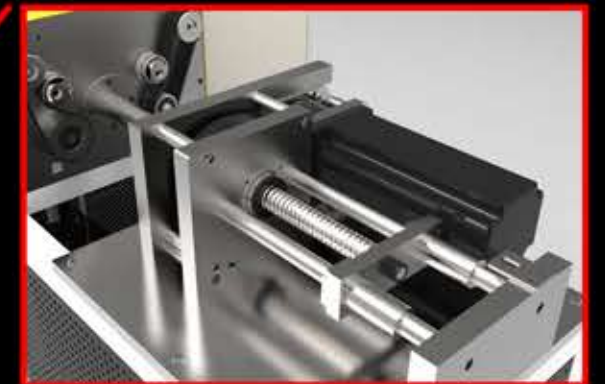
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SANDERSON TPML4

INTERNAL AND EXTERNAL PERFORATION AND LOUVERING

The Sanderson TPML4 is our most versatile machine yet! This machine offers linear tube perforation and external louvering with parts made exactly to print, even with the most intricate patterns. The revolutionary TPML4 has the ability to perforate the tube from the inside out, eliminating any burrs on the inside of the tube. One of the many benefits of the Sanderson TPML4 is its ease of setup and programming. All axis are servo controlled, allowing the user to instantly produce a prototype part for approval, then simply save it for quantity production.

The Sanderson TPML4 comes equipped with top quality components which are manufactured to international standards, and are readily available worldwide.



Rear punch actuator is operated via a servo driven ball screw assembly



Collet chuck with hydraulic clamping for positive grip



New quick-change tooling system

Part Number/Name	Speed	Length	Punch Type				
12KA4	60	465	Standard				
Start Pos	25	0	0	0	0	0	Calculate (Repeat Dist)
Repeats	10	0	0	0	0	0	Calculate (Repeat Dist)
Repeat Dist	4	0	0	0	0	0	Calculate (Repeat Dist)
Angle	7.5	0	0	0	0	0	Calculate (Repeat Dist)
First Pos	256.00	0.00	0.00	0.00	0.00	0.00	Calculate (Repeat Dist)
First Angle	0	0	0	0	0	0	Calculate (Repeat Dist)
Total Pos	240	0	0	0	0	0	Calculate (Repeat Dist)
Required Rad Holes	24	8	8	8	8	8	Calculate (Repeat Dist)
Count Holes							5.3

Custom incremental programming allows you to punch any pattern anywhere on the tube in up to five separate zones



Top and bottom tube clamp plates open and close simultaneously for every transitional movement

TPML4 SPECIFICATIONS

Process requirements tube tolerance on I/D	+/-0.25mm
Minimum tube diameter:	50mm(2")
Maximum tube diameter:	102mm (4")
Minimum wall thickness:	0.5mm (25ga.)
Maximum wall thickness:	1.8mm (15ga.)
Minimum hole size:	3mm (5/64")
Maximum hole size:	4mm (5/32")
Minimum processing area:	0mm (0")
Maximum processing area:	280mm (11") (can be increased)
Number of perforating zones:	8
Tube materials:	
Mild steel:	Yes
Stainless steel:	Yes
Non-ferrous metals:	Consult factory
Power configuration	
US:	480V/60Hz 3Ph 30A
Euro:	380V/50Hz 3Ph 30A
Punch stroke length:	6mm
Re-sharpening of punches:	4 x 0.5mm
Machine dimensions (mm):	L2500(99") x W700(28") x H1400(55")
Control cabinet size:	Standalone next to machine
Machine weight:	1600kg (3525 lb)
Working space required:	3M x 5M (10' x 13')
Operating temperature:	0°-40°C (32°-104°F)
Recommended tool change intervals:	60,000 - 125,000 holes per punch

FOR MORE INFORMATION, PLEASE VISIT
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