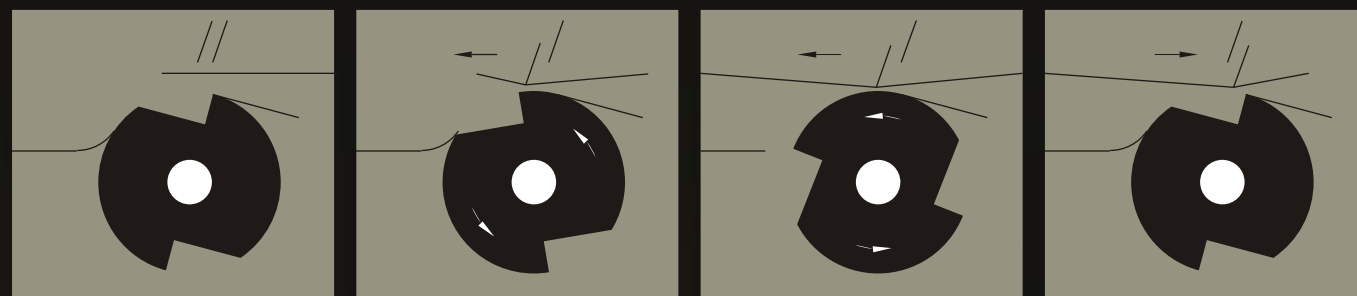


**Double diameter stop cylinder design - precision printing  
@ perfect register**



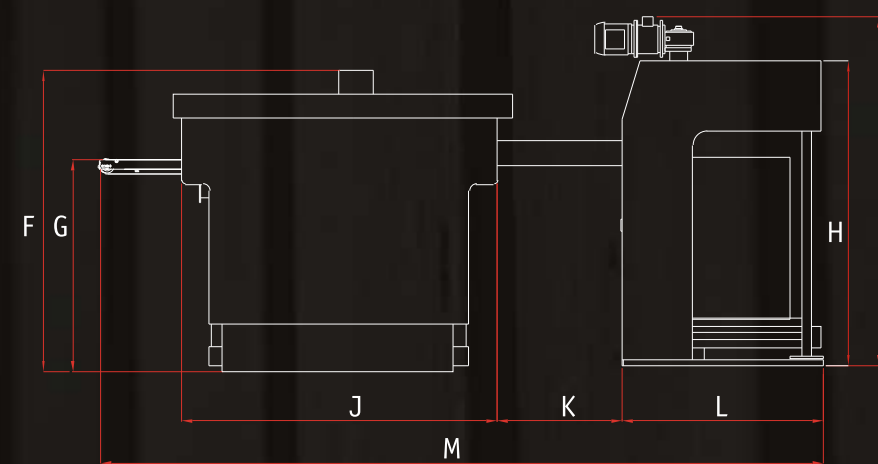
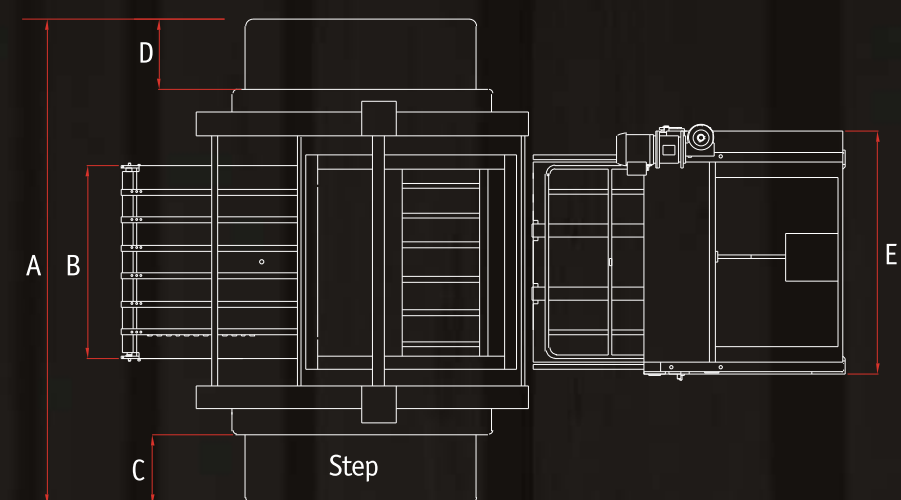
The cylinder is stationary. The sheet is registered at the frontlays on the cylinder and on the sidelay.

The cylinder and frame start moving. The squeegee moves down to print.

The cylinder and frame move together to complete the printing.

After printing the cylinder stops, ready to receive the next paper. The squeegee is up and the coater is down. The frame returns for the next cycle.

**DIMENSIONS**



Machine	A	B	C	D	E	F	G	H	I	J	K	L	M
ST-74	2195	825	360	360	1045	1290	910	1300	1490	1350	535	860	3090
ST-104	3737	1215	360	360	1450	1940	1185	1610	1795	1960	650	1140	4020

**SPECIFICATIONS**

MODEL	ST 74	ST 104
Max Sheet Size	740 x 520 mm 29.5" x 20"	1040 x 740 mm 40" x 29"
Min Sheet Size	400 x 360 mm	400 x 360 mm
Max Print Size	740 x 500 mm	1040 x 720 mm
Frame Size External	880 x 880 mm	1280 x 1140 mm
Speed	800 - 4000 sph	800 - 3600 sph
Feeder Pile Height	700 mm	750 mm
Feeding System	Stream	Stream
Side Guide	Push/ Pull type	Push/ Pull type
<b>REGISTER CONTROL</b>		
Lateral	+/- 10 mm	+/- 10 mm
Circumferential	+/- 10 mm	+/- 10 mm
Cocking	+/- 2 mm	+/- 2 mm
Dimensions (LxHxW)	3100 x 1510 x 1600 mm	4390 x 3750 x 1940 mm
Gripper Margin	5 mm	5 mm
White Margin	12 mm	12 mm
Cylinder Diameter	410 mm	560 mm
Paper Thickness	0.08 - 1.0 mm	0.08 - 1.0 mm
<b>POWER REQUIREMENT</b>		
Main Drive	7.5 kW	10 kW
Cylinder Vacuum	0.75 kW	0.75 kW
Squeegee Up Down	0.37 kW	0.37 kW
Delivery Vacuum	0.5 kW	0.5 kW
Feeder Pile Lift	0.25 kW	0.25 kW
Feeder Drive Motor	0.37 kW	0.37 kW
Total Power	9.74 kW	12.24 kW

Due to continuous improvement in design, specifications are subject to change without notice



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The world's first servo-controlled, stop motion, double diameter cylinder screen press



**Screentronic Series**  
ST 74 | ST 104



**Screen frame drive rails**

The high speed screen frame moves on precision linear motion guides with high velocity guide blocks.



**Stop Cylinder**

The first double diameter cylinder screen press in the world. This high precision cylinder is of complex construction to realize a highly rigid low inertia system. In-cylinder front lay register sensors are used for accurate register detection. The stainless steel jacket and large diameter as a result of the double diameter construction, result in high performance.



**Pneumatic Screen clamp**

All screen mounting clamps are pneumatically engaged and single point controlled. Screen shift and optional screen register enable fast register set-ups to be achieved.



**Register System**

Sophisticated register system with fibre-optic sensors for front and side-lays. Push and pull side lays. In-cylinder front lays together with fibre sensors detect register accuracy.



**Feed Board**

A clear un-cluttered feed board delivers scratch free sheet handling and transport. Suction tape belts with adjustable guide rolls enable quick and easy set-up. Guide roll frames swing away for easy access to papers and cleaning.

**From Screen Printing Machine to Drying & Curing Lines...**



**Dump Gate**

An in-line dump gate sorts sheets which are un-printed due to register errors. The machine never stops! The papers rejected by the dump gate can be re-fed i at the end of the production run.



**Feeder**

A heavy duty feeder head with adjustments for precise sheet handling is provided. Separate pick up and forwarding suckers provide stable sheet handling. Single sheet feeder mode is provided for feeding scratch sensitive substrates.

From stand-alone machines to full lines integrated with dryers for various types of inks and Varnishes. IR, Hot air, UV and chilled air drying units with delivery stackers are offered to complement this high performance cylinder screen press.

The world's first servo-cylinder screen press offers the unique feature of compensating for screen stretch and substrate thickness variation electronically ! Just input correction factor on the touch panel and register is achieved. No makeovers and screen stretches for compensation. The first and only system in the world!

**Screentronic Series**

ST 74 | ST 104

**Proteck Shows The Way....**