



**STOP CYLINDER
SCREEN PRINTING MACHINE**

MODELS: ST74 & ST104

Screentronic Series : ST74 & ST104



World's first servo controlled, stop motion, double diameter, cylinder screen press.

Proteck's stop motion screen press is one of the most innovative offerings in the market place. Incorporating several global firsts:

- servo-driven axes
- double diameter cylinders
- sophisticated automation



Features



- Full servo controlled motion of frame and cylinder
- Stop cylinder press for high register accuracy
- Double diameter printing cylinder, largest cylinder in its class
- Asymmetrical print and return speed delivers superior performance than mechanical systems



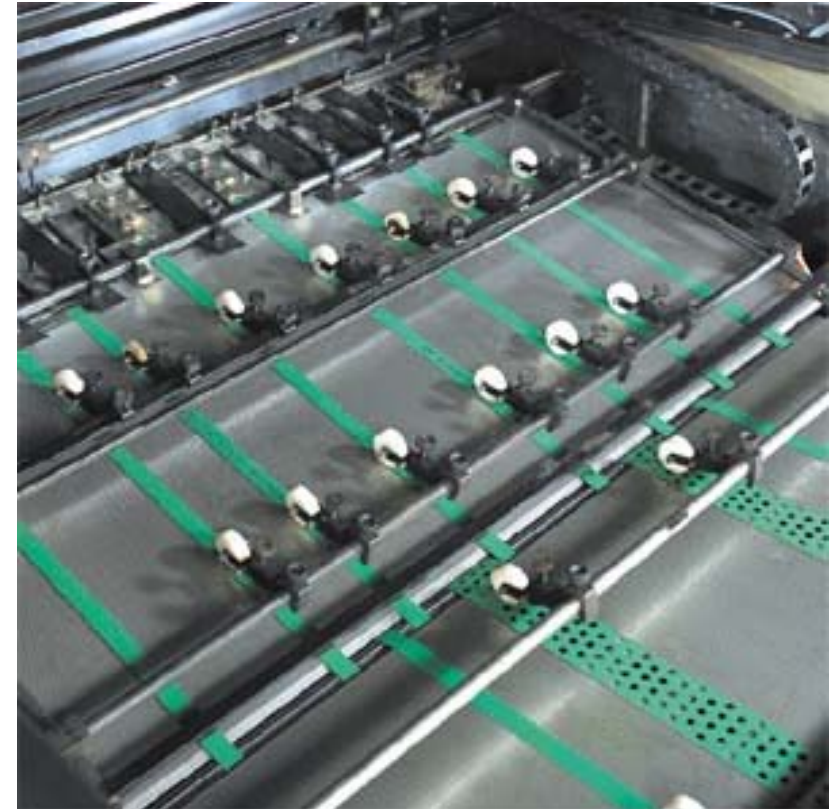
Feeder

- 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



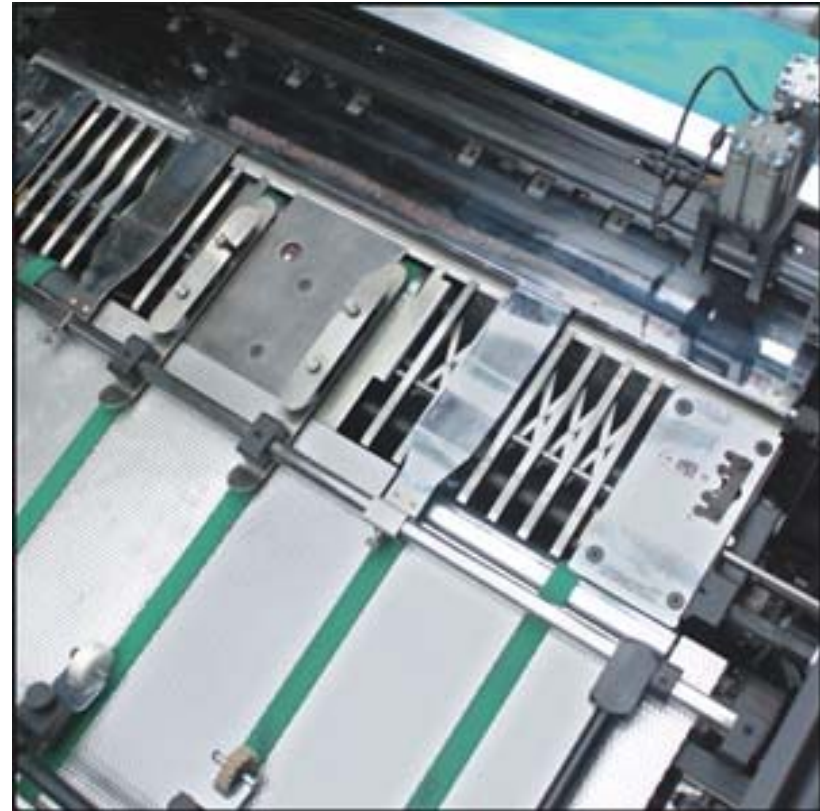
Feed Board

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



Register System

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



Pneumatic Screen Lamp

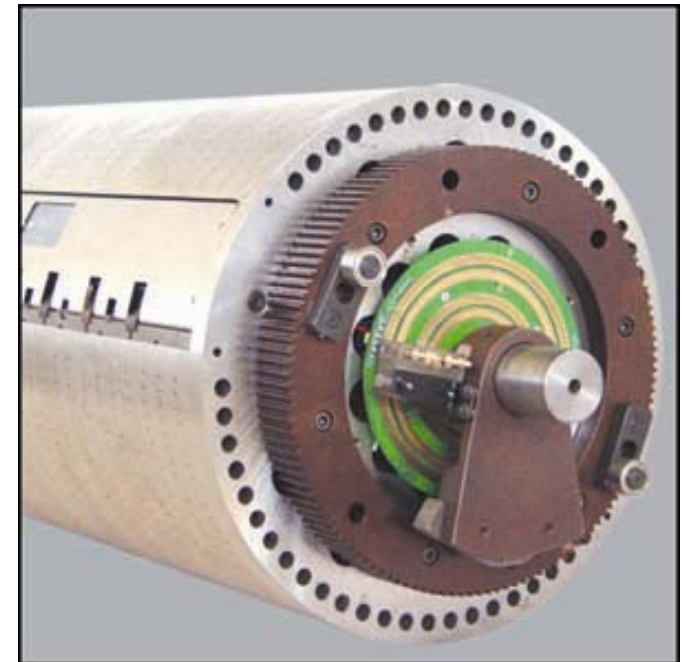


- All screen mounting clamps are pneumatically engaged and single point controlled.
- Screen shift and optional screen register enable fast register set-ups to be achieved

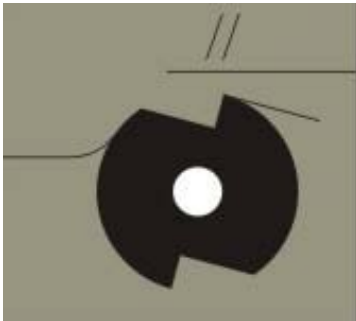


Stop Cylinder

- 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 of the double diameter construction, result in high performance.



Double diameter stop cylinder design precision printing @ perfect register!



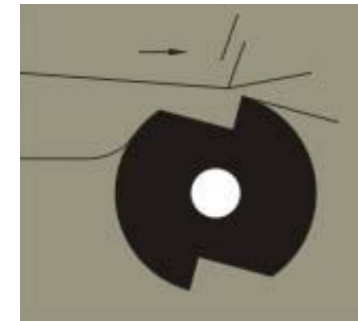
The cylinder is stationary . The sheet is registered at the frontlays on the cylinder and on the sidelays.



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 stop, ready to receive
The next paper. The squeegee is up and the
Coater is down. The frame returns for the next cycle.

Screen Frame Driver Rails

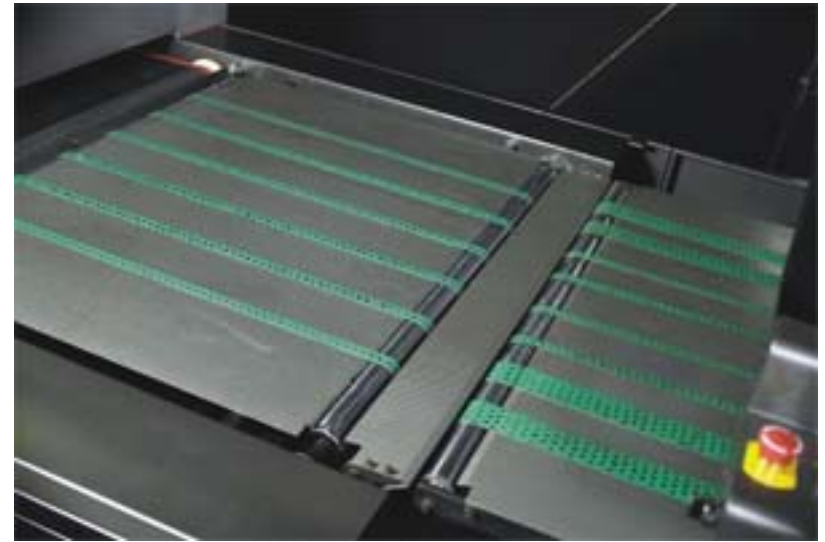


- The high speed screen frame moves on precision linear motion guides with high velocity guide blocks.



Dump Gate

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

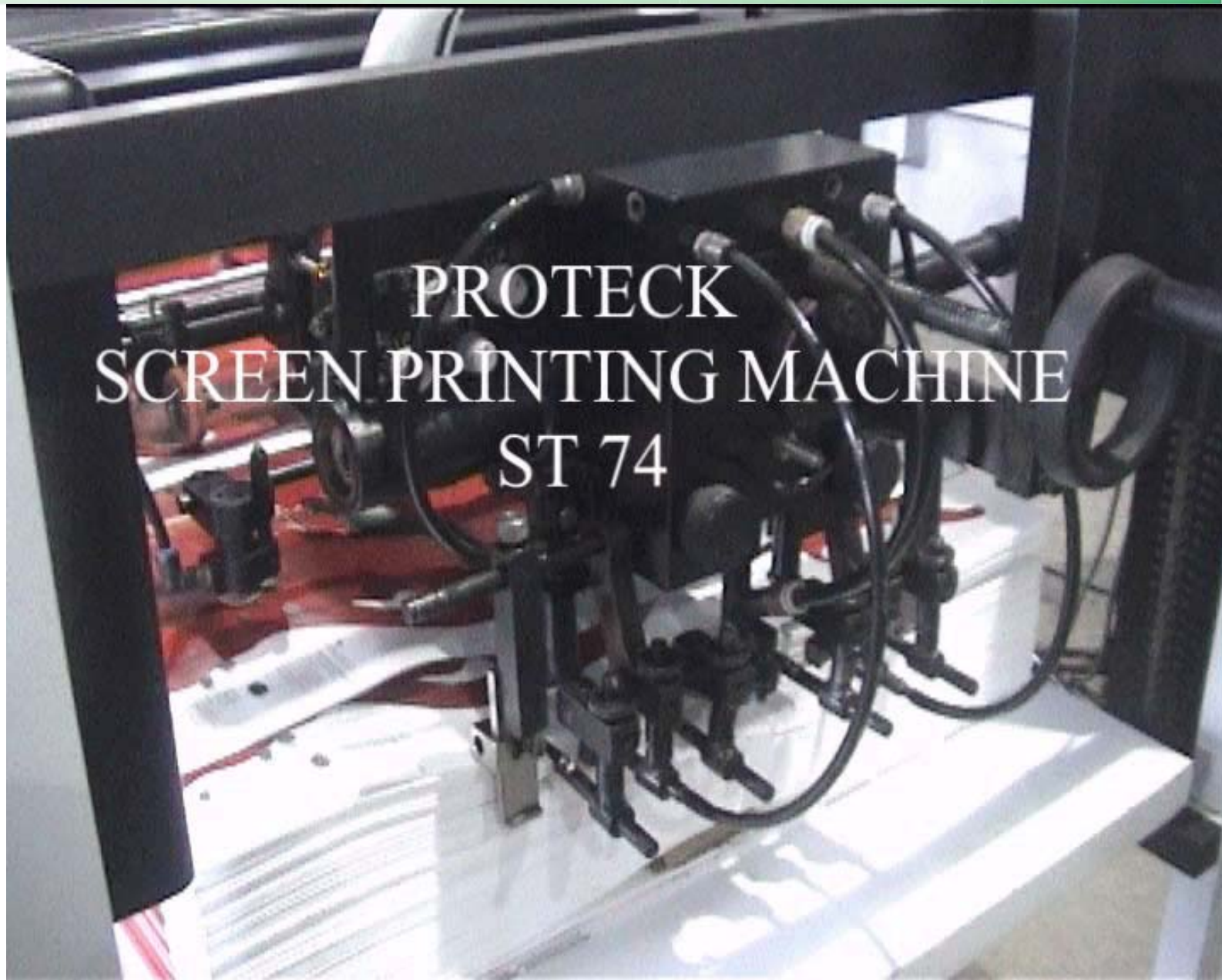


Specifications



MODEL	ST 74	ST 104
Maximum Sheet Size	740 mm x 520 mm	1040 mm x 740 mm
Minimum Sheet Size	400 mm x 360 mm	400 mm x 360 mm
Maximum Print Size	740 mm x 500 mm	1040 mm x 720 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
Frame size external	880 mm x 880 mm	1280 mm x 1140 mm

VIDEO



...Innovation and Industrial Excellence Embedded