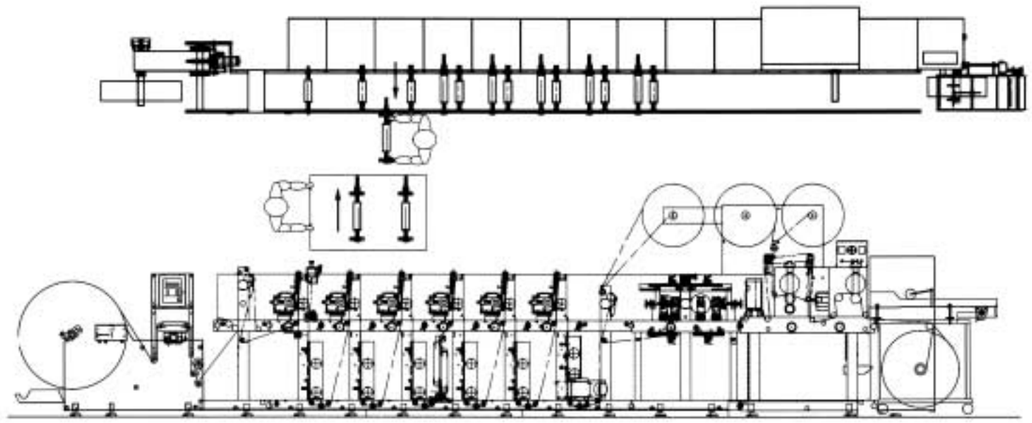


Standard Features

- 42" (1066mm) unwind, web guide and splicing table
- Variable infeed with closed loop tension control
- Flexo print stations with one set of ICT inking cassettes with anilox rolls
- 360° gear boxes
- Two ICT die stations
- Auxiliary table-mount motor for easy cleaning and setup
- Combination hot air/infrared dryer hoods
- Midfeed nip
- Space to add die cutting or punching
- Waste stripping and rewind
- Sheeting station
- Cantilever rewind
- Inking cart equipped with a slow-rotation anilox motor
- Die cassette cart
- Cart guide rails on the press platform
- Loading bridges for inking cassettes

AQUAFLEX™
A DIVISION OF F. L. SMITHE MACHINE COMPANY, INC.

www.aquaflex.com

Technical Information

Maximum web width
10-1/4" (260mm) 10" model
13-1/4" (336mm) 13" model

Maximum printing width
10" (245mm) 10" model
13" (330mm) 13" model

Printing repeat
6" to 24" (152 to 610mm)

Maximum die cutting repeat
24" (610mm)

Unwind unit roll diameter
42" (1066mm)

Rewind unit roll diameter
30" (762mm)

Waste rewind diameter
24" (610mm)

Main drive motor
10 HP to 15 HP 10" model
(7.5 kW to 11.2 kW)
15 HP to 20 HP 13" model
(11.2 kW to 14.9 kW)

Power requirements
480 VAC

Air pressure
100 PSI (7 bar)

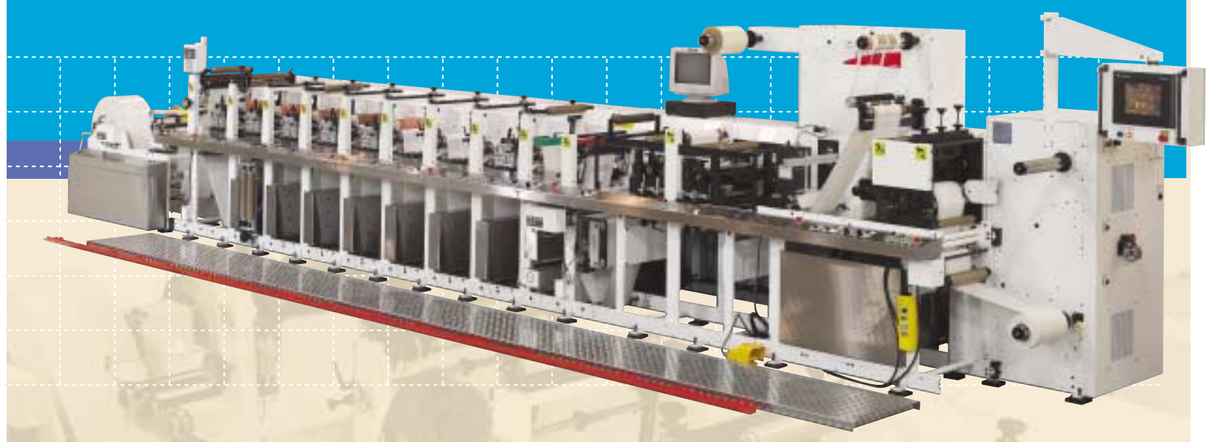
Maximum mechanical speed
500 FPM (150 m/min.)

CHAMPION
F. L. Smithe
Machine Company, Inc.

899 Old Route 220 North Duncansville, PA 16635
Tel: (814) 695-5521 Fax: (814) 695-0860

InstaPrep

The world's most productive **Prime Label** narrow web printing system



AQUAFLEX™
Engineered for your success

InstaPrep

Delivers a true 10-minute changeover

The shortest repeatable run-to-run time in the industry!

The concept of integrating press floor operations with a printing platform for higher throughput has always been an Aquaflex design focus. In fact, the world's first practical slide-out quick-change system was introduced on an Aquaflex press. Aquaflex continues to lead the industry in the productivity race with the ICT® (Instant Change Technology) workflow. Only the Aquaflex ICT system enables complete cleanups and job tooling (assembly) to be completed off-press, effectively freeing the press for more printing hours, every shift of every day. When compared to standard printing systems, the ICT system delivers **40% to 60% greater daily throughput** producing more saleable product everyday. It's like adding a second press for free!

The next time you hear the words quick change, consider everything that is involved in a changeover. You need a system that delivers consistent changeover times, day after day (not just at orchestrated trade-show demos). Then, be sure to add the time the press is sitting idle during the cleanup cycle. You will discover that most "quick changes" actually take hours to go from run time to run time. The ICT system effectively shortens that total time to just minutes. In fact, the ICT system delivers the shortest repeatable run-to-run time in the industry. That's the Aquaflex difference.

The key to the ICT system

The key to the ICT workflow is our patented cassette system. The anilox roll, ink pan and doctor blade are enclosed in an easily removable cassette, enabling off-press cleanup and make-ready. The press includes an automatic plate-cleaning feature that eliminates ink accumulation on the plate while the press is stopped. In addition, an auxiliary motor keeps the anilox rotating to prevent ink from drying on the anilox. A single pressman can remove an ICT cassette and install a new cassette without tools in just a few minutes.

The ICT system includes:

- ICT Flexo Print Heads
- ICT Rotary Screen Cassette
- ICT Foil Stamping Cassette
- ICT Inking Cassettes
- ICT Side-Loading Die Cassette
- ICT Staging and Transport Carts

Rotary Screen

Foil Stamping

Robust high performance design delivers unmatched configuration flexibility.

The InstaPrep is a modular designed, PLC-controlled, feature-rich printing platform that can be expanded as your business grows. Press stations can be easily reconfigured. Exchange a flexo print head for an ICT screen print head or move an ICT hot stamping foil station from the back end to the front of the press for foil overprints. Press reconfiguration is as easy as exchanging ICT cassettes. The new 360° gear box enables continuous high-volume printing and double axis micro adjustments for precision printing and converting in any configuration. With PLC controls, remote diagnostics by our service department can be made via phone line.

Engineering the waste out of the press

The InstaPrep is designed from the ground up to eliminate waste, including excessive substrate use during make-ready, down time from run to run, and poor utilization of highly skilled workers. The InstaPrep is designed to take full advantage of lean manufacturing principles that focus on short run profitability through the elimination of waste in all its forms. Remember, every dollar saved by eliminating waste is a dollar that goes directly to your bottom line. For more information on lean manufacturing and how it can improve your bottom line, visit our web site at www.aquaflexlean.com.

Quick change side-loading die stations

The InstaPrep comes with two ergonomic ICT side-loading die stations. Anvils and dies are enclosed in cassettes that slide out for quick and easy changeovers. No tools are required and there is no bearing plate to remove. Change from top to bottom die cutting by reversing the cassette order. A vertical sheeting station is standard for conventional sheeting or cross-perforation.

Fast and accurate registration

Minimize substrate waste by setting accurate registration in seconds. A special gauging tool precisely positions the plate cylinder shaft. The locking system self-adjusts and automatically compensates for cylinder diameter and web thickness. A pre-register chart helps you pre-set (off press) the print head to within one tooth of accurate registration. Correct inking pressures are set while the press is stopped, reducing substrate waste during make-ready.