



G2-150

Multi Function Sealed Inking Pad Printing Machine



The Next Generation
of Pad Printing
Machines



PRINTEX
MARKING TECHNOLOGIES





Evolution Defined

Printex G2 pad printing machines represent the culmination of over 20 years of customer input, continuous innovation, and a refusal to settle for the status quo. G2 takes the best principles of our existing machines, in combination with a healthy dose of innovation, to create a whole new class of pad printing equipment. Each G2 machine is a state-of-the-art, multi-function, stand-alone pad printer, as well as a building block in a scalable pad printing system.

The G2-150 represents a renaissance of pad printing equipment design and engineering; a rethinking of what a pad-printing machine should be, followed by a redesign from the ground up. The G2-150 sets new standards in the pad printing equipment industry for flexibility, versatility, intelligence, and usability.

The G2-150 base system – a feat of engineering, and a capable pad printer in itself – is a platform for an array of optional, user-installable plug-and-play indexing systems and inking kits. The user can choose from single, two-color, multi-color or transverse inking, linear shuttles, rotary tables, carousel indexers, and more. These components are 100% user installable, and can be purchased in any combination, at the same time as the G2-150 base unit, or later. Furthermore, all of the attachments for the G2-150 are compatible with our larger G2-175.

Core G2-150 Features:

- Standard pin registered, zero-adjust image plate mounting system accommodates one- two- and four-color inking kits
- Transverse cup slide mechanism installs easily, to accommodate wide-format printing. Cup travel quickly adjusts between 12", 18" and 24" while retaining same centerpoint
- XYRZ adjustable tooling platform with standardized adapter plate for mounting fixtures and indexing systems

PLUG & PLAY



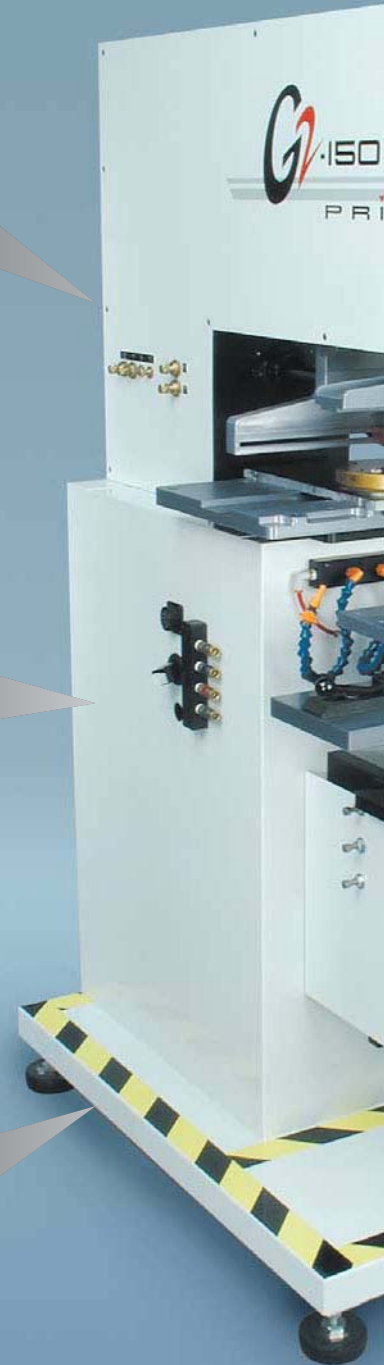
1-Color Transverse Cup



1-Color w/Turntable

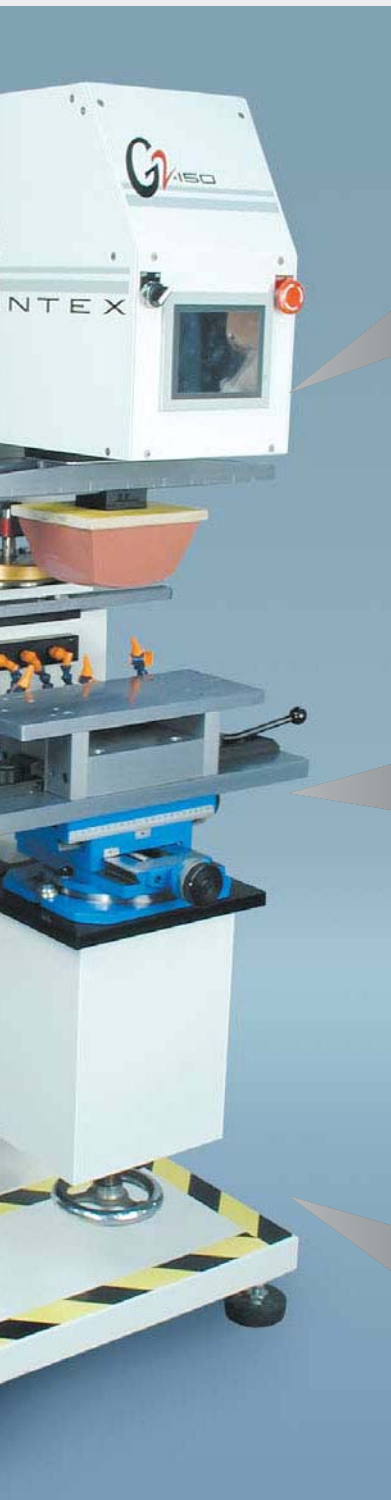


2 Color w/Pneumatic Slide



G2-150

LAY: 6 IN 1



4 color w/Carousel Indexer



Tape-Off unit



4 color w/Linear Servo Indexer

Integrated Controls

- Touchscreen operator interface and an on-board programmable controller, with a complete set of functions for both stand-alone and G2-integrated operations.



Plug and Play Attachments

- Using a standardized electrical, pneumatic and mechanical quick change coupling system, the G2-150 interfaces quickly with a battery of modular part handling systems;
- Motor drive cam actuated turntable (one color printing), 4, 6 or 8-position, to facilitate pre/post-treatment and parts handling;
- Pneumatic two-position part indexer (two color printing);
- Servo driven four-position linear part indexer (four-color printing, single fixture station);
- 14 position carousel indexer (high-volume four color printing, 14 identical fixture stations);
- 24" max. transverse cup drive and plate system (long format printing);
- Printing pad tape-off unit.

Setup mode functions include:

- Independent pad dwell settings for ink and print positions
- Independent ink- and print-stroke settings
- Ink mixing mode
- Pad jog for manual ink pickup and print
- Job settings store and recall, up to 100 sets, with integrated supplies details
- Connect controller directly to any PC-compatible printer to obtain a detailed report of all saved job settings

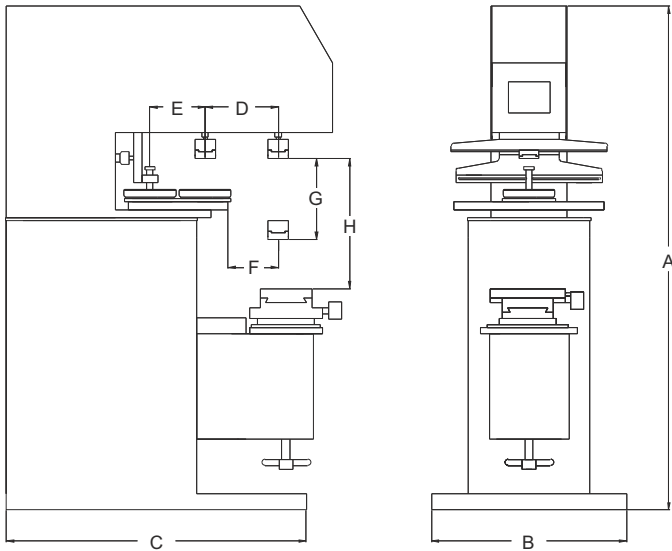
Print (stand-alone) mode functions include:

- Continuous printing action with pause/resume
- Single-cycle mode
- Single pickup / double print option
- Double pickup / single print option
- Independently adjustable print downstroke in two-color mode
- Pad down-and-hold feature (print stroke only)
- Increment / decrement counter cycle with optional "stop at target value" feature

Automation Interface functions include:

- Print upon receiving trigger signal from host system
- Output signal to host system when printing is completed
- Emergency interrupt
- Direct peer-to-peer networking of G2 systems enables master/slave configurations

G2-150



G2 150 Core System

Max. Number of Colors	4
Cycle Speed	≤900/hr
Air Consumption	≥6 cfm @ 100 psi
Electrical Supply	110 VAC, 1A, 50-60 Hz.
Weight	600 lbs.
Max. Down Force @ 80 psi	385 lbs.
Max. Down Force @ 100 psi	485 lbs.
Overall Height (A)	62.00"
Overall Width (B)	24.375"
Overall Depth (C)	37.00"
Horizontal Stroke, Pad Arm (D)	10.00"
Horizontal Stroke, Cup Arm (E)	6.8"
Horizontal Clearance (F)	5.85" (150 Cups), 6.335" (100 cups)
Vertical Stroke (G)	≤10.00", adjustable
Vertical Clearance; Table (H)	8.25" - 13.75", adjustable

1 Color Attachments

	1-Color Kit	1-Color w/turntable
Max. Number of Colors	1	1
Image Plate Size	6.5" x 13.1"	6.5" x 13.1"
Max. Image Size	5.75" Dia.	5.75" Dia.
Cycle Speed	≤900/hr.	≤900/hr.
Pad Space Envelope	6"H x 8"W x 7"D	6"H x 8"W x 7"D
Horiz. Clearance (F)	6.31"	6.31"
Vertical Stroke (G)	≤10", adjustable	≤10", adjustable
Vert. Clearance: Table (H)	≤13.75"	≤7.5"

2 Color Attachments

	2-Color Pneumatic Slide	2-Color Servo slide
Max. Number of Colors	2	2
Image Plate Size	6.5" x 13.1"	6.5" x 13.1"
Max. Image Size	5.75" Dia.	5.75" Dia.
Cycle Speed	≤600/hr.	≤600/hr.
Pad Space Envelope	6"H x 8"W x 7"D	6"H x 8"W x 7"D
Horiz. Clearance (F)	7.25"	7.25"
Vertical Stroke (G)	≤10", adjustable	≤10", adjustable
Vert. Clearance: Table (H)	≤6.5"	≤7.0"
Index Pitch	9"	9"

4 Color Attachments

	4-Color Kit w/Linear Indexer	4-Color Kit w/Carousel Indexer
Max. Number of Colors	4	4
Image Plate Size	4.49" x 11.2"	4.49" x 11.2"
Max. Image Size	3.75" Dia.	3.75" Dia.
Cycle Speed	≤400/hr.	≤400/hr.
Pad Space Envelope	4"H x 4"W x 4"D	4"H x 4"W x 4"D
Horiz. Clearance (F)	7.25"	7.25"
Vertical Stroke (G)	≤10", adjustable	≤10", adjustable
Vert. Clearance: Table (H)	≤6.25"	≤7.0"
Index Pitch	4.5"	4.5"

Transverse Cup Attachment

Max. Number of Colors	1
Image Plate Size	6" x 36"
Max. Image Size	≤4.25" x ≤24"
Cycle Speed	≤900/hr.
Pad Space Envelope	6"H x 24"W x 5"D
Horiz. Clearance (F)	6.0"
Vertical Stroke (G)	≤10", adjustable
Vert. Clearance: Table (H)	≤13.25"

G2-150 Configurations

	1-color	1-color w/ Turn Table	2-color Pneumatic Slide	2-color Servo Slide	4-color Carousel Indexer	4-color Servo Slide	1-color Transverse Cup
4" Cup					•	•	
4.5" Cup							•
6" Cup	•	•	•	•			
Tape-Off	•						



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