



# G2-175

## 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 G2-175 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 G2-175 sets new standards in the pad printing equipment industry for flexibility, versatility, intelligence, and usability.

The G2-175 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 G2-175 base unit, or later. Furthermore, all of the attachments for the G2-175 are compatible with our smaller G2-150.

### Core G2-175 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**



# G2-175

## LAY: 6 IN 1



**6 color w/Carousel Indexer**



**Tape-Off unit**



**6 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 G2-175 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

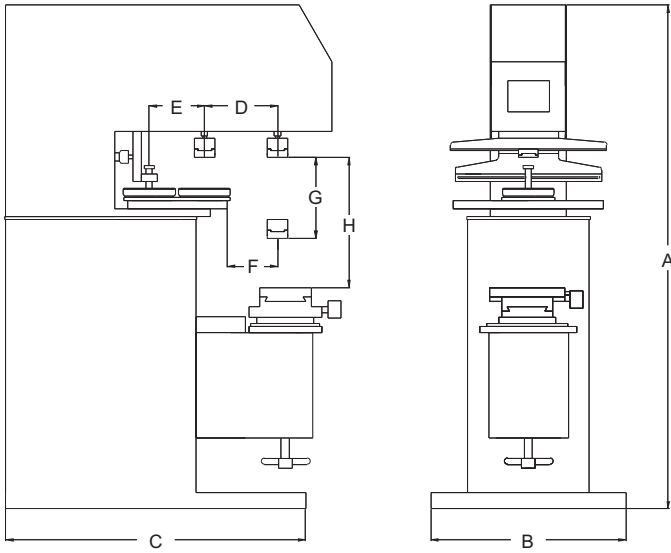
### Print (stand-alone) mode functions include:

- 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

# G2-175



## G2 175 Core System

### 1-Color 100 Cup (115 Cup)

Max. Number or Colors	6
Cycle Speed	≤900/hr
Air Consumption	≥6 cfm @ 100 psi
Electrical Supply	110 VAC, 1A, 50-60 Hz.
Weight	800 lbs.
Max. Down Force @ 80 psi	665 lbs.
Max. Down Force @ 100 psi	830 lbs.
Overall Height (A)	73.00"
Overall Width (B)	24.25"
Overall Depth (C)	47.00"
Horizontal Stroke, Pad Arm (D)	10.00"
Horizontal Stroke, Cup Arm (E)	5" or 6.8", adjustable
Horizontal Clearance (F)	7.25"
Vertical Stroke (G)	≤10.00", adjustable
Vertical Clearance; Table (H)	6.75" - 17.5", adjustable

### 1 Color Attachments

	1-Color Kit	1-Color w/turntable
Max. Number or 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)	≤17.5"	≤9.75"

### 2 Color Attachments

	2-Color Pneumatic Slide	2-Color Servo slide
Max. Number or 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)	≤13.5"	≤10.5"
Index Pitch	9"	9"

### 4 Color Attachments

	4-Color Kit w/Linear Indexer	4-Color Kit w/Carousel Indexer
Max. Number or Colors	4	4
Image Plate Size	4.49" x 9.4"	4.49" x 9.4"
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)	≤10.5"	≤11.25"
Index Pitch	4.5"	4.5"

### Transverse Cup Attachments

Max. Number or 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)	7.0"
Vertical Stroke (G)	≤10", adjustable
Vert. Clearance: Table (H)	≤17.5"

## G2-175 Configurations

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

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