



G2-100/115

Sealed Inking Pad Printing Machine



The Next Generation
of Pad Printing
Machines



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The Next Generation of Pad Printing Machines

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. 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 G2-100/115 is born of Printex's highly successful 100mm and 115mm machine platforms, retaining the benchmark performance and reliability that have made those machines consistent top-sellers. Both new and existing customers will appreciate the solid engineering and ergonomic design that have always been the hallmarks of Printex equipment. All G2 machines utilize Printex's time-tested sealed-inking technology, with magnetic coupling, and treated carbide seal rings. Users of the Printex sealed inking system enjoy some of the longest uninterrupted run times, plate life, and consistency of performance that the industry has to offer.

As with all G2 series printers, the G2-100/115 can be used as a stand-alone machine (manual load-unload), or it can be combined with other G2 printers on a Printex AMP or SMP platform for automated or multicolor production. Installation or removal of a G2-100/115 to the AMP/SMP can be accomplished in under five minutes. Further accessories, such as the Printex Auto Pad Tapeoff Unit and XYR printer pedestal, augment the value of the G2 line.

G2 100/115 standard features include:

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



▶ 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 99 sets
- Connect controller directly to any PC-compatible printer to obtain a detailed report of all saved job settings

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G2-100/115 Functions

| | 1-color | 1-color w/Tape Off | 2-Color |
|----------|---------|--------------------|---------|
| 3.5" Cup | | | • |
| 4.0" Cup | • | • | |
| 4.5" Cup | • | | |

G2-100/115

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

Plug-and-Play receptacle for G2-AMP & G2-SMP



Optional Tape Off Unit

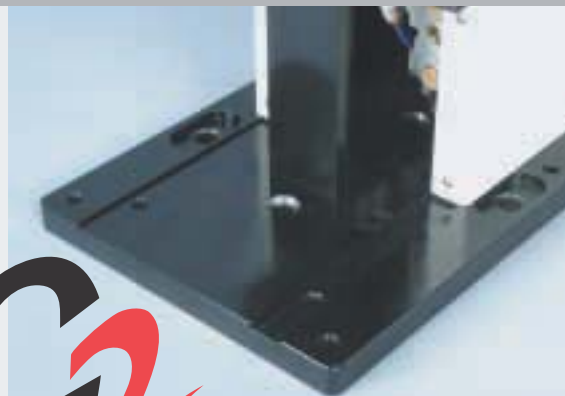
Additional Features and Benefits

- Accepts Printex Auto Pad Tapeoff Unit (APTU)
- Option two-color printing kit (dual pad and plate adapters, shuttle indexer)
- Pin-registered image plate system, calibration-free
- XYRZ workpiece fixture table
- Closed-loop logic for adjustable and repeatable printing pad pressure

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Machine base pre-drilled for integration with G2-AMP and G2-SMP



- Designed and Engineered for rapid AMP/SMP installation or removal
- Instantly integrates with Printex Automated Modular Platform and servo-based Servo Modular Platform (each sold separately)
- Doweled printer base plate ensures fast and accurate printer placement on automation platform;
- One control connection required
- "Plug-and-run" operation, no reprogramming, no special controller settings required

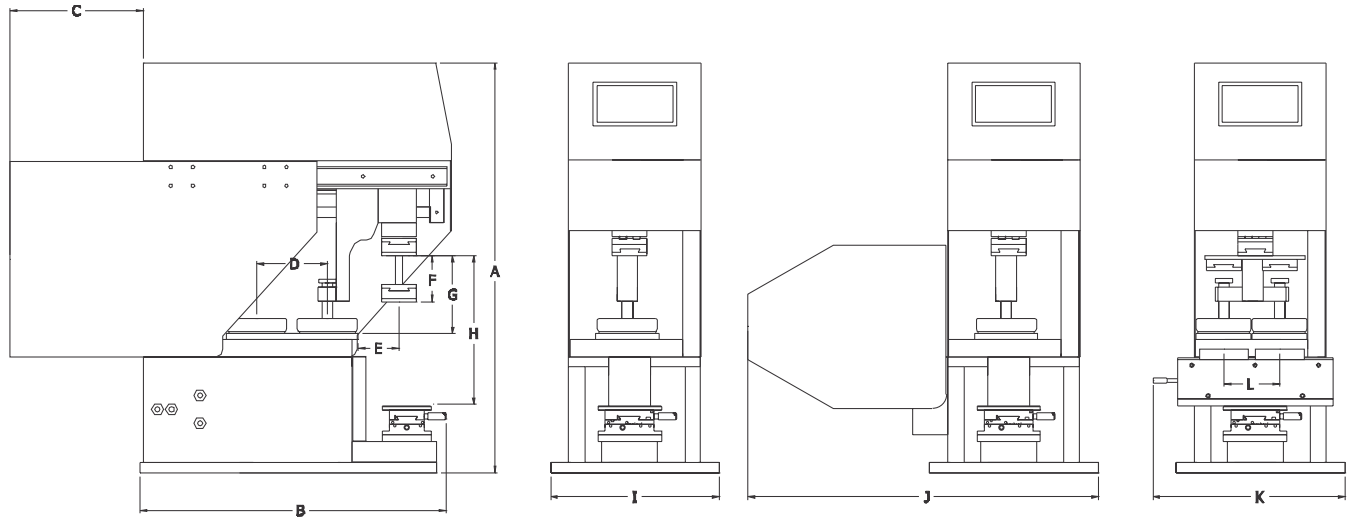


G2-100/115 and G2-60/85 installed on the G2-AMP

Two G2-100/115's installed on the G2-SMP



G2-100/115



G2-100/115 Specifications

| | 1-Color 100 Cup (115 Cup) | 1-Color w/Tape Off | 2-Color |
|-------------------------------|---------------------------|------------------------|------------------------|
| Image Plate Size | 4.49 x 9.40 (5.00 x 9.7) | 4.49 x 9.4 | 3.90 x9.40 per color |
| Max. Image Size | 3.75" (4.25") Dia. | 3.75" Dia. | 3.25" Dia. per color |
| Cycle Speed | 400-2400/hr. | 400-2400/hr. | 200-800/hr. |
| Air Consumption | 2 cfm @ 80 psi | 2 cfm @ 80 psi | 2 cfm @ 80 psi |
| Electrical Supply | 110 VAC, 1A, 50-60 Hz. | 110 VAC, 1A, 50-60 Hz. | 110 VAC, 1A, 50-60 Hz. |
| Weight | 110 lbs. | 135 lbs. | 125 lbs. |
| Max. Down Force @ 80 psi | 250 lbs. | 250 lbs. | 250 lbs. |
| Max. Down Force @ 100 psi | 314 lbs. | 314 lbs. | 314 lbs. |
| Height (A) | 29.10 | 29.10 | 29.10 |
| Depth (B) | 21.71 | 21.71 | 21.71 |
| Door Clearance (C) | 9.50 | 9.50 | 9.50 |
| Horizontal Stroke (D) | 5.00 | 5.00 | 5.00 |
| Front Clearance (E) | 2.89 | 2.89 | 2.89 |
| Vertical Stroke (F) | 3.30 | 3.30 | 3.30 |
| Vertical Clearance; Plate (G) | 5.55 | 5.55 | 4.48 |
| Vertical Clearance; XYR (H) | 10.58 | 10.58 | 5.60 |
| Width (I) | 12.00 (I) | 24.90 (J) | 13.64 (K) |
| Pitch (L) | n/a | n/a | 3.95 |

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