

# **HIX** CORPORATION

Made In The USA Since 1963

## ovens and dryers

*Celebrating*  
**50**  
*Years*



## The Drying Equipment Leader

[www.hixcorp.com](http://www.hixcorp.com)



**ELECTRIC**



**GAS**



**VERTICAL**



**SPECIALTY**

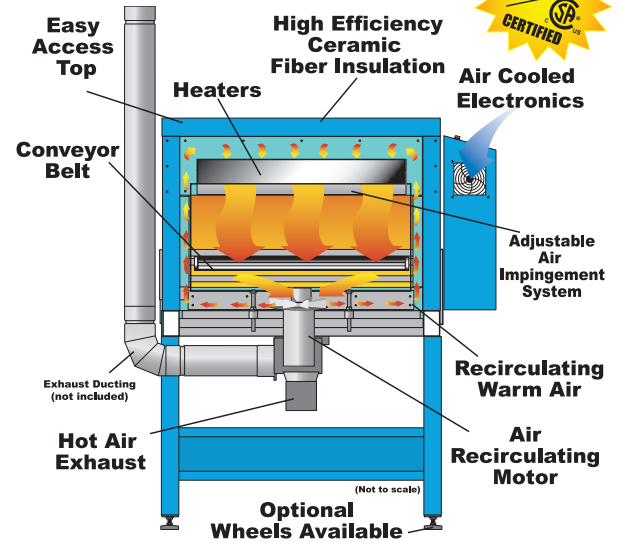


**CUSTOM**

# HIX NEW NPII PREMIER ELECTRIC DRYERS



- The sleek low profile design and side mount control panel, includes an analog variable belt speed controller, thermostatically controlled oven temperature, digital heat controller, and a variable air speed controller to adjust air flow volume within the oven chamber.
- The interior walls of the oven are fabricated from corrosion resistant galvanized steel to resist attack from moisture, volatiles, and corrosives released from substrates and inks.
- Newly designed with the bottom mounted exhaust system and front mounted control box allows the top of the dryer to be removed for easy access to the heater panels and for interior oven cleaning.
- The top and sidewalls are insulated with 2" thick high temp ceramic insulation for optimum energy efficiency. Enjoy savings on your electric bill with a HIX NPII Dryer and higher production drying speeds.
- Variable speed air recirculation allows for up to 97% recycled air.
- The precise control system of analog belt speed and digital temperature controls give you the ability to choose the correct combinations for differing products.
- The heavy-duty belt drive has a variable speed motor with positive chain drive. This system also has permanently lubricated ball bearings at all rotation points for smooth, trouble free service.



HIX dryers offer the most efficient drying technology available.

## DIRECT TO GARMENT PREFERRED

Dryer Model:	NPII-1806	NPII-2410	NPII-3610	NPII-3616	NPII-3619	NPII-4819
Recirculating Airflow:	N/A	1300 cfm	1300 cfm	1500 cfm	3000 cfm	3000 cfm
Exhaust Duct:	4" (10 cm)	3" (7.5 cm)	3" (7.5 cm)	4" (10 cm)	5" (12.5 cm)	5" (12.5 cm)
Rated Exhaust Flow:	49 cfm	130 cfm	130 cfm	216 cfm	326 cfm	326 cfm
Amp at 220V/Phase:	15A/1	45A/1	32A/3	50A/3	70A/3	95A/3
KW at 220V:	2.8 KW	8 KW	10.8 KW	17 KW	22.9 KW	32.2 KW
BTU:	9,700	27,280	36,825	57,970	78,000	110,000
Length:	6' (183 cm)	10' (305 cm)	10' (305 cm)	16' (488 cm)	19' (579 cm)	19' (579 cm)
Width:	30" (76 cm)	41" (104 cm)	51" (130 cm)	51" (130 cm)	51" (130 cm)	66" (168 cm)
Height:	45" (114 cm)	46" (117 cm)	46" (117 cm)	46" (117 cm)	46" (117 cm)	46" (117 cm)
Belt Width:	18" (46 cm)	24" (61 cm)	36" (91 cm)	36" (91 cm)	36" (91 cm)	48" (122 cm)
Oven Length:	42" (107 cm)	60" (152 cm)	60" (152 cm)	96" (244 cm)	132" (335 cm)	132" (335 cm)
Entry Length:	15" (38 cm)	30" (76 cm)	30" (76 cm)	48" (122 cm)	48" (122 cm)	48" (122 cm)
Exit Length:	15" (38 cm)	30" (76 cm)	30" (76 cm)	48" (122 cm)	48" (122 cm)	48" (122 cm)
Belt Height:	32" (81 cm)	32" (81 cm)	32" (81 cm)	32" (81 cm)	32" (81 cm)	32" (81 cm)
Volt-VAC:	120 or 220	208-240	208-240	208-240	208-240	208-240

\* Models are also available with analog controls in our BELL series. Call for details, 800-835-0606

## HIX EA/E ELECTRIC DRYERS

HIX EA/E dryers are great for smaller screen printing shops or for those who are looking for an economy priced dryer.

Built with the same HIX standard for quality and reliability.

Provides all of the basic needs to cure plastisol inks.

The dryers are not recommended for high moisture/waterbased inks. The HIX Premier models are better suited for these applications.

### HIX EA/E Dryer Features Include:

- High performance, long lasting infra-red heat panels built by HIX
- Circulating single speed air system (not included on E-2408 or E-1806)
- Belt speed and heat controls
- Fiberglass belt



Certified Green

- Saves Energy
- Triple wall (E-2408)
- Thermocouple control.

Dryer Model:	E-2255	E-2408	EA-2410	EA-3610	EA-3616
Recirculating Airflow:	N/A	N/A	55 cfm	135 cfm	265 cfm
Exhaust Duct:	3" (7.62 cm)	10" (25 cm)	10" (25 cm)	10" (25 cm)	12" (30 cm)
Rated Exhaust Flow:	N/A	400 cfm	400 cfm	400 cfm	700 cfm
Amp:	18.5A	32A/1 phase	35A/1 phase	28A/3 phase	45A/3 phase
KW:	2.2 KW	6 KW	6 KW	9.1 KW	14.2 KW
BTU:	7,502	20,630	20,630	31,000	48,540
Length:	5.5' (165 cm)	8' (244 cm)	10' (305 cm)	10' (305 cm)	16' (488 cm)
Width:	31.25" (79 cm)	30" (76 cm)	32" (81 cm)	44" (112 cm)	44" (112 cm)
Height:	49.5" (126 cm)	54" (137 cm)	58" (147 cm)	58" (147 cm)	58" (147 cm)
Belt Width:	22" (56 cm)	24" (61 cm)	24" (61 cm)	36" (91 cm)	36" (91 cm)
Oven Length Inside:	26" (66 cm)	42" (107 cm)	60" (152 cm)	60" (152 cm)	96" (244 cm)
Oven Length Outside:	30" (76 cm)	54" (137 cm)	72" (183 cm)	72" (183 cm)	108" (274 cm)
Entry Length:	17.5" (44 cm)	20" (51 cm)	24" (61 cm)	24" (61 cm)	42" (107 cm)
Exit Length:	17.5" (44 cm)	20" (51 cm)	24" (61 cm)	24" (61 cm)	42" (107 cm)
Belt Height:	34.5" (165.1 cm)	32" (81 cm)	32" (81 cm)	32" (81 cm)	32" (81 cm)
Volt-VAC:	120	208-240	208-240	208-240	208-240

# GAS CONVEYOR DRYERS AND OVENS

The HIX Gas Textile Dryer provides excellent cure control for plastisol, direct to garment ink jet, solvent and waterbased inks. Simply put, HIX Gas dryers are the most efficient gas conveyor dryers on the market.

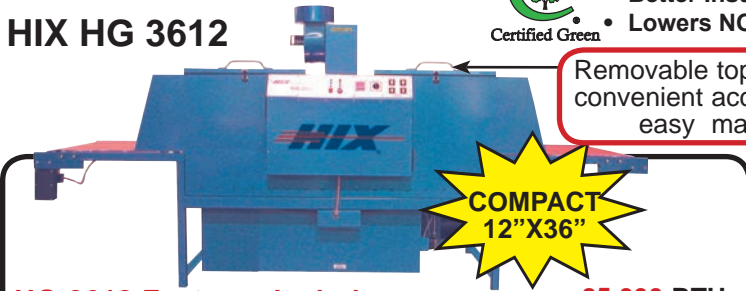
HIX HG/BG series Gas Dryers have been designed to meet the production and energy saving goals of any modern screenprinting operation. The efficient BTU burner, which works with the fresh air combustion blower, re-circulates most of the heated oven air to keep operation expenses low. HIX Gas dryers are capable of handling the belt coverage and speed required to run with automated presses. Available in belt widths 36", 48", 60", & 72".

SEE ALL OUR CONVEYOR DRYER OPTIONS AT [WWW.HIXCORP.COM](http://WWW.HIXCORP.COM)



- Saves Energy
- Better Insulation
- Lowers NOx & CO emission output.

## HIX HG 3612



COMPACT  
12"X36"

Removable top panels provide convenient access to filters for easy maintenance.

### HG-3612 Features Include:

85,000 BTU

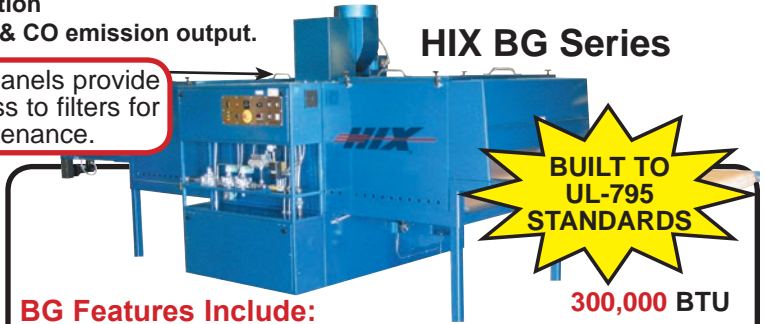
- 36 inch wide by 12 foot long conveyor area.
- Energy efficient 85,000 BTU burner.
- Single speed recirculating air system.
- Fresh air combustion blower lowers NOx and CO emission output.
- Analog belt speed control and digital temperature control.
- High resolution gas modulating valve allows temperature to stay within +/-5°F of set point.
- Easy access to filters for cleaning. And removable top panels make it convenient for maintaining.
- 6 foot long oven chamber with 1 foot fume hoods on each end.
- Power: 220 Volt, 5 Amps / Single Phase. Gas: 4.5"-10" water column pressure input. (Natural Gas)
- Recirculating Air Flow: 1/2 HP, 1,000 CFM. Exhaust: 10" Duct, 450 CFM.
- Natural gas or propane models available.

### HG-3612

See more info at [www.hixcorp.com](http://www.hixcorp.com)

Length.....	12' (365 cm)
Width.....	45" (114 cm)
Height .....	69" (175 cm) to exhaust/ 53" (134 cm) oventop
Belt Width.....	36" (91 cm)
Oven Length	
Inside .....	72" (182.9 cm)
Outside .....	96" (243.8 cm)
Entry Length .....	36" (91 cm)
Exit Length .....	36" (91 cm)
Belt Height (from floor)...	34" (86 cm)
Volt-VAC .....	120V • 208-240V
Recirculating Airflow....	1,000cfm
Exhaust Duct.....	10" (25 cm)
Exhaust Flow .....	450 cfm
Amps.....	220V 3 Amps 1-Phase/ 120V 8 Amps
BTU .....	85,000

## HIX BG Series



BUILT TO  
UL-795  
STANDARDS

### BG Features Include:

300,000 BTU

- Dual recirculation blowers
- Perfect for use with automatic printers
- Energy efficient 300,000 BTU burner
- Single speed recirculating air system (80%-85%)
- Fresh air combustion blower lowers NOx and CO emission output
- Analog belt speed control and digital temperature control
- High resolution gas modulating valve allows temperature to stay within +/-5°F of set point
- Manual reset high temperature limit switch, combustion air proving switch, recirculating air proving switch, exhaust air proving switch, and flame safeguard control
- Easy access filters for cleaning and removable top panels make it convenient for maintaining
- Natural gas or propane models available
- Built to UL-795 standard for commercial gas fired ovens

### BG-4820

### BG-6020

### BG-7220

Length.....	20' (610 cm)	20' (610 cm)	20' (610 cm)
Width.....	81" (206 cm)	93" (236 cm)	105" (267 cm)
Height .....	82" (208 cm)	82" (208 cm)	82" (208 cm)
Belt Width.....	48" (122 cm)	60" (152 cm)	72" (183 cm)
Oven Length			
Inside .....	132" (335 cm)	132" (335 cm)	132" (335 cm)
Outside .....	156" (396 cm)	156" (396 cm)	156" (396 cm)
Entry Length .....	48" (122 cm)	48" (122 cm)	48" (122 cm)
Exit Length .....	36" (91 cm)	36" (91 cm)	36" (91 cm)
<i>Same for all BG Dryers</i>		Exhaust Duct.....	14" (36 cm)
Belt Height (from floor)...	34" (86 cm)	Exhaust Flow .....	1,500 cfm
Volt-VAC .....	208-240	Amp at 220V/Phase .....	10A/3
Recirculating Airflow.....	3,000 cfm	BTU .....	300,000

## GEL CURE UNITS



HIX has developed an exciting new product for narrow web, multi-color print operations.

The HIX Thermatrol Gel / Cure Unit is designed to replace vertical web dryers used between individual color print stations.

This unit is perfect for gelling, pre-curing, and post-curing inks of various compositions. It is used with continuous roll to roll web printing or screen printing.

Capital expenditures and operating costs are significantly lower than with conventional web dryers.

Units custom designed to meet customer's process needs.

### Gel Cure Features Include:

- Multiple zones of digital temperature control.
- Operating temperatures of up to 350°F.
- Airflow directed from the top downward onto the web which gives quicker, more efficient curing operation.
- Two HIX exclusive CriteSense, non-contact sensors for accurate, instantaneous control of the process.
- Custom sizes and wattages to meet your process requirements.
- Custom designed temperature capacities meet user process flow requirements.
- Compact size of 46" x 25" for an 18 inch web on GC-4800 model.
- Custom designed models available in web widths up to 6 ".
- 8" exhaust duct with bottom exit.
- 240 / 480 volt, 3-phase.



# SPECIALTY OVENS FOR DIRECT TO GARMENT

## VERTICURE



Since 1963, HIX has been the leader in curing water based screen printing inks on garments with our electric dryers. Our expertise with this process has put HIX years ahead of the competition, and made us the only real choice when it comes too effectively curing water based inks in an electric drying system. HIX electric dryers combine the right mix of infra red energy and forced hot convection air to evaporate water and cure ink from water based screenprint and ink jet inks. Cure direct to garment inks with our heat press, Verticure drawer or conveyor ovens.

HIX is proud to introduce the its Verticure oven. Designed specifically for curing Direct to Garment solvent or water based ink jet inks.

### Features Include:

- Cures both water based and solvent based direct to garment ink jet inks.
- Developed specifically for direct to garment curing applications.
- Perfect for shops with space restrictions the HIX Verticure fits in a 4'x4' footprint.
- Cures both light and dark colored garments in just minutes.
- Separate timer for each drying drawer in either 1, 2 or 4 drawer design.
- Forced hot air at each drawer level.
- 208v-240v, 55 amps, 3" type B exhaust duct, digital heat control, variable air speed control.
- Fiber mesh bottom in each drawer
- Auto-opening drawer (2-drawer only)



**NO SCORCHES**

# SPECIALTY OVENS FOR SUBLIMATION

HIX has standard mug ovens and custom are available:

### 2414 Mug Oven

- a 24" wide by 14' long mug oven system that can typically process 150-200 mugs/hour
- mugs come off the oven through our cooler, which allows for easy handling/packaging right off the production line
- no messy water quenching

### 3625 Mug Oven

- a 36" wide by 25' long mug oven system that can typically produce 550-733 mugs/hour
- a larger, longer, wider belt allows for more wraps and higher production capabilities

### Custom Mug Ovens

- custom oven systems with capacities to handle your production needs, are also available - please call for more information (1-800-835-0606)

## MUG OVENS



## BATCH OVENS

Designed to suit YOUR needs. For curing products that require long process cure times and items not suitable for conveyor drying.

### Batch Ovens Features Include:

- Walk in and floor models.
- Convection air and infrared systems available.
- Filtered air to remove dust and impurities.
- Digital or analog time and temperature controls.
- Audible alarm and lights to indicate temperature fluctuations.
- Recirculating air systems to save energy costs.
- Exhaust ducts to vent fumes and moisture.
- Mobile or stationary units.
- Shelving or hanging options available.



Heat Transfer Presses, Screenprint and Dryers please visit:  
[www.hixcorp.com](http://www.hixcorp.com)

Dough and Tortilla Presses please visit:  
[www.doughxpress.com](http://www.doughxpress.com)

Custom Built Dryers please visit:  
[www.ovens-dryers.com](http://www.ovens-dryers.com)

Flock Transfers please visit:  
[www.ez-transfers.com](http://www.ez-transfers.com)

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