V. HIX Printer Specs

Printer Specs:

Popular Models Name/Number	Heads (Colors)	Print Stations (Platens)	Print Unit Diameter	Maximum Screen Width (O.D.)	Shipping Weight
1c/1s Bench	1	1	39" (99 cm)	21" (53 cm)	138 lbs. (63 kg)
4c/1s Bench	4	1	70" (178 cm)	28" (71 cm)	173 lbs. (79 kg)
4c/4s Floor Rotary	4	4	96" (244 cm)	28" (71 cm)	424 lbs. (193 kg)
6c/4s Floor Rotary	6	4	96" (244 cm)	21" (53 cm)	475 lbs. (216 kg)
6c/6s Floor Rotary	6	6	100" (254 cm)	21" (53 cm)	552 lbs. (250 kg)
LF 6/4 Rotary*	6	4	100" (254 cm)	25" (64 cm)	555 lbs. (252 kg)
LF 6/6 Rotary*	6	6	100" (254 cm)	25" (64 cm)	610 lbs. (277 kg)
Big 8 Floor Rotary	8	8	116" (295 cm)	21" (53 cm)	1107 lbs. (502 kg)

Over 40 configurations available

Accessories Weights	Shipping Weight	
Jacket Hold Down	48 lbs.	(22 kg)
Micro Registration	10 lbs.	(5 kg)
30" (76 cm) Print Arm - for bench printer	14 lbs.	(6 kg)
33" (84 cm) Print Arm (2/box) - for standard floor printers	29 lbs.	(13 kg)
38" (97 cm) Print Arm (2/box) - for big 8 printers	32 lbs.	(15 kg)
Vaculite Platen	67 lbs.	(31 kg)
Vaculite Pump	37 lbs.	(17 kg)
8"x 18" (20 x 46 cm) Alum. Shirtboard (2)	30 lbs.	(14 kg)
10"x 14" (25 x 36 cm) Alum. Shirtboard (2)	30 lbs.	(14 kg)
14"x 14" (36 x 36 cm) Alum. Shirtboard (2)	31 lbs.	(14 kg)
16"x 17" (41 x 43 cm) Alum. Shirtboard (2)	34 lbs.	(15 kg)
16"x 22" (41 x 56 cm) Alum. Shirtboard (2)	35 lbs.	(16 kg)
18"x 22" (46 x 56 cm) Alum. Shirtboard (2)	37 lbs.	(17 kg)
4"x 14" (10 x 36 cm) Alum.Dual Sleeve board	22 lbs.	(10 kg)
4"x 18" (10 x 46 cm) Alum.Dual Sleeve board	28 lbs.	(13 kg)
16"x17" (41 x 43 cm) wood without bracket	10 lbs.	(5 kg)
16"x17" (41 x 43 cm) wood with bracket	9 lbs.	(5 kg)
4"x17" (10 x 43 cm) wood with bracket	5 lbs.	(4 kg)
11"x17" (28 x 43 cm) wood with bracket	8 lbs.	(4 kg)
11"x17" (28 x 43 cm) wood without bracket	7 lbs.	(3 kg)
15"x15" (38 x 38 cm) wood with bracket	9 lbs.	(4 kg)
15"x15" (38 x 38 cm) wood without bracket	8 lbs.	(4 kg)
10"x15" (25 x 43 cm) wood	7 lbs.	(3 kg)

Custom Boards Available

HIX PRINTERS ITEM NUMBERS

ITEM#	MODEL	DESCRIPTION
NP PRINTERS		
10045	NP	4C/4S NP /Back Clamp & Micro Registration
10050	NP	6C/4S NP/Back Clamp & Micro Registration
10055	NP	6C/6S NP/Back Clamp & Micro Registration
10059	NP	1C/1S Bench NP/ Back Clamp & Micro Registration
10060	NP	4C/1S Bench NP/Back Clamp & Micro Registration
70284	Combo 4	4C/1S Printer/Back Clamp & Micro Reg. and 2255 Oven
70167	Little Pro	Combo Printer/Dryer 120V/Exp unit 120V
70714	Little Pro	Combo Printer/Dryer 220V/Exp unit 220V
**		Ships unassembled in box with no crating charge. See above pricing if assembly and crating needed.
NON STOCKED PRINTERS/CALL FOR PRODUCTION LEADTIME		
48659	Premier	8C/4S Standard with Strut/Back Clamp & Micro
49719	Premier	8C/8S Standard with Strut/Back Clamp & Micro Registration
24139	Premier	6C/4S LF/ with LF Side Clamps & Micro Registration
33030	Premier	6C/6S LF/with LF Side Clamps & Micro Registration
21823	Premier	8C/8S LF with Strut/LF Side Clamps & Micro Registration
Note:		All printers include Wood 15x15 Shirtboards/All LF printers include Wood 16x17 Shirtboards and air assist.
		Customize your printer by removing these items and substituting them for options below.
PRINTER ACCESSORIES/COMPONENTS/SHIRTBOARD ATTACHEMNTS/PARTS		
1010890	Sleeve Board	4"x17" Wood sleeve with neck/bracket
10278	Shirt Board	11"x17" Wood with neck
10251	Shirt Board	11"x17" Wood with neck/bracket
10286	Shirt Board	15"x15" Wood with neck
10243	Shirt Board	15"x15" Wood with neck/bracket
16799	Shirt Board	16"x17" Wood with neck
15938	Shirt Board	16"x17" Wood with neck/bracket
1010910	Shirt Board	10"x15" Wood with neck/bracket
23612	Shirt Board/Alum	10"x14" aluminum with neck/bracket
85910	Shirt Board /Alum.	14"x14" Aluminum with neck/bracket
23620	Shirt Board /Alum.	16"x17" Aluminum with neck/bracket
28240	Shirt Board /Alum.	18"x22" Aluminum without neck/bracket
47506	Shirt Board/Alum	16"x20" Aluminum with neck/bracket
50740	Shirt Board/Alum	4"x14" Aluminum w/bracket Premier
23604	Shirt Board /Alum.	8"x14" with Neck / bracket
47506	Shirt Board /Alum.	Custom (call for quote)
63177	Shirt Board Bracket	Bracket: std steel arm
1010860	Shirt Board Bracket	Bracket: aluminum arm
50765	Dual Sleeve Board	4"x18" Aluminum with bracket (Premier)
68705	Pin Registraion Kit	6 Pin mounting plates,1 hole punch,1 exp. Plate

68711	Pin Registration Kit	4 Pin mounting plates,1 hole punch, 1 exp. Plate
62995	Screen Clamp (pr.)	Side Clamp Standard left & right (requires crosstube)
63002	Screen Clamp (pr.)	Side Clamp Large Format left & right
24651	Screen Clamp	Back clamp
86421	Crosstube	19" (All standard printers)
22047	Crosstube	20" (Big 8, LF)
20400	Crosstube	22"
88682	Crosstube	24"
20575	Crosstube	28" (Super)
88708	Crosstube	30"
88724	Crosstube	36"
65056	Micro Registration	Micro Reg. only NP/P
1010370	Prt Printhead	Universal Printhead NP/P (doesn't inc micro)
41202	Gas Shock	120 # Premier
89326	Gas Shock	150# NP Printhead
1010510	Print Arms	35" w/Bracket
70025	Vacuum Platen	Vacuum Platen Only NP 120V
70750	Vacuum Platen	Vacuum Platen Only NP 220V
26021	Jacket Hold-down	16"x16"
26032	Jacket Hold-down	14"x14"
26051	Jacket Hold-down	10"x10"
25568	Sport Shorts Hold-down	7-1/2"x7-1/2"
22160	Cap Attachment	Premier Printers
50008	Air Assist Kit	4 color
49999	Air Assist Kit	6 color
23396	Air Assist Kit	8 color
EDUCATIONAL VIDEO AND INSTRUCTIONAL GUIDES		
70182	Guide/Video	Screen Print Tutorial DVD's (Min. 10)
70800	Guide Video Edu	Education/School Guide 10 per set
70755	Guide Video Edu	GUIDE/DVD DVD FULL TRAINING SET
70754	Guide Video Edu	GUIDE/DVD SUBLIMATION GUIDE

HIX EXPOSURE UNITS

HIX Exposure Units

HIX Exposure Units are built on years of experience and quality. The speed of Ultra High Intensity Metal Halide from the Halux 1200 allows you to get from the art room to the printing press quickly, easily, and affordably. The single point metal halide light source holds fine lines and dots and produces better halftone images, providing clean, accurate exposures. The powerful 1200W metal halide lamp warms up to full intensity in less than one minute. The "Hot Restrike" feature eliminates warming time between exposures, saving electricity and extending bulb life.

Halux 1200D features include:
- 1200W metal halide lamp
- Hot Restrike design eliminates shutters
- Auto-reset digital timer, cycle start switch, vacuum power switch and main power switch.
- 26" x 44" exposure area
- Safety vacuum interlock
- Filtered air removes heat and keeps dust from collecting on the glass
- Durable deep draw vacuum blanket
- Premium oil-less vacuum pump

The TT-180D & TT-110E table top exposure units are compact, low cost and efficient. They provide clear exposure of fine lines, half tones and detail work. Powered by high output Aqua Coral UV florescent lights, TT-180D and TT-110E give you a full range of exposure capabilities at an economical price.
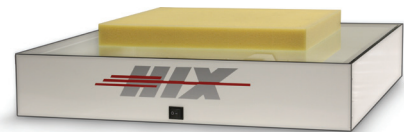
TT-180D Features include:
- Table top design measures 40"W x 31"D x 8"H
- Maximum exposure area: 25"x 31"
- Six 30 watt high output fluorescent UV lamps
- Auto-reset digital timer, cycle start switch, vacuum power switch, and main power switch
- Durable deep draw vacuum blanket
- Rugged diaphragm vacuum pump
- Leg Kit available if needed

TT-110E Features include:
- Table top design measures 27.75"W x 27.75"D x 5.5"H
- Maximum exposure area: 23" x 25"
- 4 - 14 watt high output Aqua Coral fluorescent UV lamps.
- Power switch
- Durable rubber blanket
- 120v, 5A, 60Hz

Bleeder cord: Allows air to escape from inside the frame, giving closer contact between the film positive and the screen.

Contact side: The side of the screen that will be in contact with the t-shirt or material that you will be screen printing.

Degreasing: Removing any oils or foreign material on the screen that might keep the emulsion from adhering to it, or exposing properly.

Diazo: The sensitizer that is mixed with the emulsion base to form a photosensitive emulsion.

Emulsion: A thick liquid that you will coat onto the screen.

Emulsion base: The thick liquid that is mixed together with diazo to form a photosensitive emulsion.

Exposure: Involves exposing the screen to an intense ultraviolet (UV) light source. The light sensitive coating on the screen cures (hardens) where UV light strikes it. Areas covered by the image on the film positive remain soft, and are washed out after the exposure. This leaves areas of the screen open for the ink to make an image on the T-shirt.

Image area: The part of the screen that will have the screen print image on it.

Photosensitive: Sensitive to light.

Pinholes: Any unwanted holes in the screen coating.

Scum: is clear emulsion that sticks to the screen and can keep ink from passing through the screen when you print. Under exposure causes excess scumming.

Squeegee side: The side that you press the squeegee against when you do the screen printing.

Undercutting: A problem that can occur during exposure if the film positive is not held tight against the screen. If there is a gap between the screen and the film positive, light scatters after it passes through the film positive, giving a fuzzy image.

Washout: Removes the part of the emulsion that was covered by the film positive.