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DOUTHITT

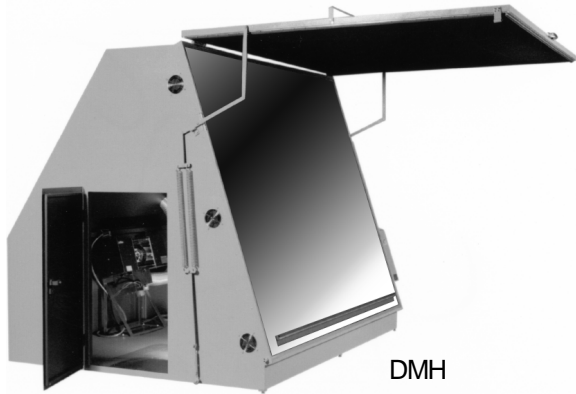
CATALOG & PRICE LIST

The Douthitt Corporation

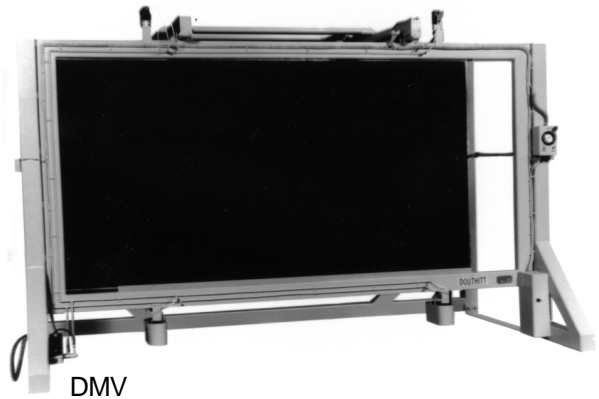
245 Adair St., Detroit, Michigan 48207 • Established 1919 • Toll Free 1-800-DOUTHITT(T)
Phone 313-259-1565 Fax No. 313-259-6806
www.douthittcorp.com E-Mail: em@douthittcorp.com

DOUTHITT GUARANTEES THE BEST EXPOSURE SYSTEM OR VACUUM FRAME FOR ANY APPLICATION

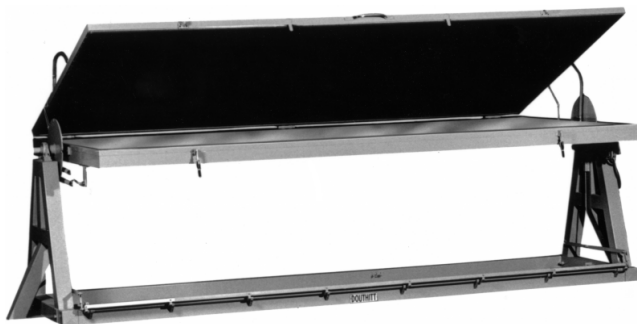
DIRECT METHOD SCREEN Pages 4-18,34



DMH



DMV



DML



DMZ

NOVAC



DME

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PLATES, PROOFS, AND FILM Pages 16 - 26,34



EXCONO



GEMINI



DCOPXD

FLEXOGRAPHIC PLATES Pages 27-30,34



Flexgem



EXpod

PRINTED CIRCUIT AND CHEM MILLING Page 31



Model Taurus

CUSTOM APPLICATIONS



World's Longest Exposure Frame

OLEC OLITE & THEIMER VIOLUX PRINTING LAMPS Pages 15-16



COMPUTER TO SCREEN MODEL CTS

*No Film Required - Just Print the Image Directly on
the Screen & Expose!*

- Consistency of Wax Gives Superior Results
- High Density of Wax Lets You Fully Harden Screen
- Repeatability Saves Registration Set Up Time
- Robust Construction
- Proven Track Record



Faster turn around times	Reduced handling
Reduced exposure times	Reduction in labor cost
Precise registration	No Film or Film Storage

FASTER PRESS SETUP

INCLUDES:

- (1) Print Head technology with phase-change solid ink (wax) to enable better image detail, density, and consistency.
- (2) PC with easy, intuitive operating controls.
- (3) Compatible with any RIP that can output 1 bit uncompressed TIFF File at 600 DPI or Douthitt can package RIP with unit. Either way, files can be automatically added to print queue after ripping via your Ethernet network.
- (4) Air clamp assembly with convenient foot switch standard on CTS52. Optional on CTS30.

Model	Max Screen*	Max Image	Floor Space	Crated Weight
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CTS30	25 x 36	20 x 30	37 x 52	925 lbs.
CTS52	54 x 46	50 x 40	37 x 78	1240 lbs.

*Max screen can be larger than listed depending on image area.

Electrical: 120V. Requires compressed air.

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DOUTHITT HEAVY DUTY CTS EXPOSURE UNIT

MODEL NOVAC

A Compact Self-Contained Exposure Unit for easy, fast, & quality exposures of your digitally masked screens.

INCLUDES:

- (1) Complete Olite AL53 Tri Level 5000 Watt Metal Halide Printing Lamp Assembly.
- (2) Douthitt Heavy Duty 10 Channel Model MAGIC 83 Combination Light Integrator and Digital Timer complete with photocell.
- (3) External Exhaust Fan for proper cooling and ventilation.
- (4) Cooling fans to insure against excessive heat build-up.
- (5) Easy to operate.
- (6) No exposed printing rays.
- (7) Available for any size screen.



OPTIONAL ACCESSORIES:

- (A) Olite AL83 Tri Level 8000 Watt Metal Halide Printing Lamp Assembly instead of standard lamp.

DOUTHITT HEAVY DUTY DUAL CONVENTIONAL/CTS EXPOSURE UNIT

MODEL DMAX

Combines all the advantages of our Model DMA with the ability to bypass the glass & blanket for CTS Exposures.

INCLUDES:

- (1) All fourteen items listed on page 8 for Douthitt Heavy Duty Model DMA plus Douthitt Heavy Duty Model MAGIC 83 Combination Light Integrator and Digital Timer is included in lieu of Timer.
- (2) Rack to load screens so glass & blanket can be easily bypassed for exposures of your digitally masked screens.

OPTIONAL ACCESSORIES:

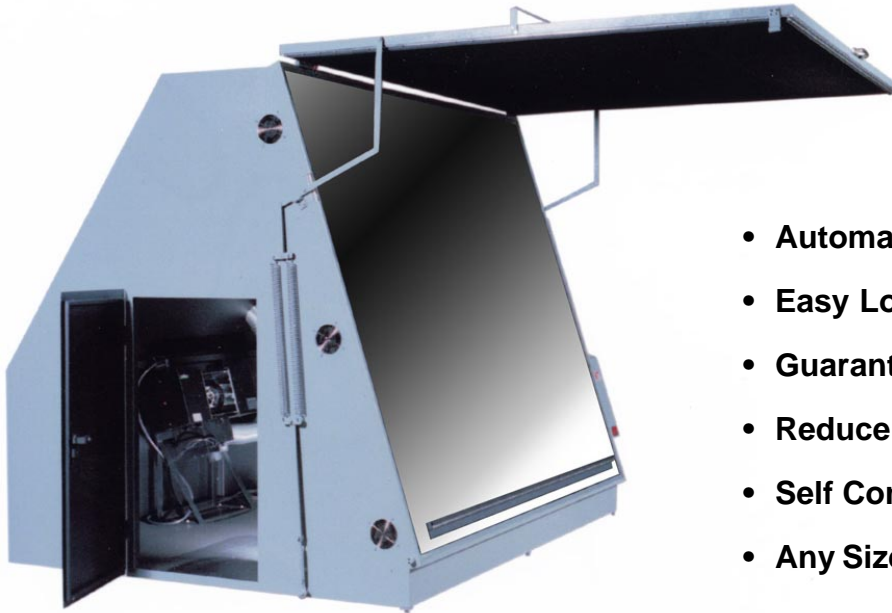
- (A) Olite AL53 Tri Level 5000 Watt or Olite AL83 Tri Level 8000 Watt Metal Halide Printing Lamp Assembly instead of standard lamp.



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DOUTHITT HEAVY DUTY DIRECT METHOD SCREENMAKER MODEL DMH

Optimum Loading Height for Large Format Screens in a Self Contained Exposure Unit



- Automated Start and Cancel
- Easy Loading Height
- Guaranteed Coverage
- Reduce Floor Space
- Self Contained Light Source
- Any Size Available

Finger Tip Control of Blanket frame is achieved by exclusive, patented spring and fulcrum system that also clamps automatically.

PRICE INCLUDES:

- (1) Complete 5000 Watt Metal Halide Printing Lamp Assembly complete with special exhaust system*.
- (2) Glass down design. Simply load, close, expose.
- (3) No limit to height of screen because of special Douthitt "Deep Draw" Black Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the screen frame and holds your positive in perfect contact.
- (4) Douthitt Heavy Duty Model Magic 83 10 channel memory combination light integrator and digital timer.
- (5) Completely automatic operation. Vacuum delay and light exposure activated by closing the frame.
- (6) Cooling fans to insure against excessive heat build-up.
- (7) Heavy duty pump and motor.
- (8) Patented "D" Toggle system for effortless raising and lowering of the blanket frame.
- (9) Passive positive locking mechanism.
- (10) Instrument panel conveniently mounted on side of unit complete with bleeder valve.
- (11) Screen holding bar mounted on the glass.
- (12) All heavy gauge metal construction.
- (13) Large convenient access door on left side of unit.

Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
70 x 90	\$21,710.00	No chg.	74 x 106	2300 lbs.
70 x 120*	31,330.00	No chg.	68 x 136	3200 lbs.
82 x 154*	39,330.00	No chg.	81 x 170	4600 lbs.
86 x 190*	44,330.00	No chg.	83 x 206	4900 lbs.

* DMH's over 100" long include two 5000 Watt Printing Lamp Assemblies.

Larger and custom sizes available - prices on request

OPTIONAL ACCESSORIES:

- (A) Douthitt Heavy Duty Silent Air Pump instead of standard pump and motor (this pump requires compressed air) Add \$ 395.00
- (B) 8000 Watt Metal Halide Printing Lamp assembly instead of standard lamp Add \$895.00 per lamp

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DOUTHITT HEAVY DUTY DIRECT METHOD SCREENMAKER MODEL DMZ

- Reduce Floor Space
- Self Contained Light Source

- Automated Start and Cancel
- Easy Loading Height
- Guaranteed Coverage



Finger Tip Control of Blanket frame is achieved by exclusive, patented spring and fulcrum system that also clamps automatically.

PRICE INCLUDES:

- (1) Complete 5000 Watt Metal Halide Printing Lamp Assembly complete with special exhaust system.
- (2) Glass down design. Simply load, close, expose.
- (3) No limit to height of screen because of special Douthitt "Deep Draw" Black Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the screen frame and holds your positive in perfect contact.
- (4) Douthitt Heavy Duty Model Magic 83 10 channel memory combination light integrator and digital timer.
- (5) Completely automatic operation. Vacuum delay and light exposure activated by closing the frame.
- (6) Cooling fans to insure against excessive heat build-up.
- (7) Heavy duty pump and motor.
- (8) Patented "D" Toggle system for effortless raising and lowering of the blanket frame.
- (9) Passive positive locking mechanism.
- (10) Instrument panel conveniently mounted on side of unit complete with bleeder valve.
- (11) Screen holding bar mounted on the glass.
- (12) All heavy gauge metal construction.
- (13) Large convenient access door on left side of unit.

Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
53 x 66	\$16,280.00	No chg.	65 x 82	1425 lbs.
66 x 74	18,480.00	No chg.	79 x 92	1700 lbs.
68 x 80	19,580.00	No chg.	82 x 96	1900 lbs.
68 x 89	20,980.00	No chg.	82 x 105	2200 lbs.

Electrical Specifications – 220 Volt, Single Phase
Custom sizes available!

OPTIONAL ACCESSORIES:

- (A) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air) see page 17 for details Add \$ 395.00
- (B) 8000 Watt Metal Halide Printing Lamp assembly instead of standard lamp Add \$895.00

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DOUTHITT Direct Method Screenmaker

With Self-Contained Printing Lamp

Safe–Fast–Easy to Operate

MODEL DMA

NOW STANDARD WITH THE OLEC OLITE AL25 PRINTING LAMP ASSEMBLY AND HF1 EXHAUST SYSTEM!

PRICE INCLUDES:

- (1) Complete Olite 2500 Metal Halide Printing Lamp Assembly.
- (2) Complete HF1 Exhaust System.
- (3) Glass down design. Simply load, close and expose.
- (4) No limit to height of screen because of special Douthitt “Deep Draw” Black Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the screen frame and holds your positive in perfect contact. The Blanket is secured to structural steel tubing and the blanket frame is raised and lowered by sliding toggle.
- (5) Heavy Duty Vacuum Pump and Motor.
- (6) Cooling fans to insure against excessive heat build-up.



- (7) Heavy Optic clear A-1 Select Glass anchored to structural steel tubing.
- (8) Heavy Duty Digital Automatic Reset Timer.
- (9) Large convenient front access door.
- (10) Bleeder Valve to easily adjust maximum vacuum.
- (11) Instrument panel conveniently mounted on side of unit.
- (12) All Heavy Gauge Metal Construction.
- (13) Unit finished in easy to clean, long wearing Epoxy Enamel.
- (14) Vacuum automatically cancels after exposure.

OPTIONAL ACCESSORIES:

- (A) Olite AL35 3500 Watt Metal Halide Printing Lamp Assembly instead of standard lamp Add \$950.00
- (B) Olite AL53 5000 Watt Metal Halide Printing Lamp Assembly instead of standard lamp Add \$2065.00
- (C) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air) see page 17 for details Add \$395.00
- (D) Douthitt Heavy Duty Model MAGIC 83 Combination Light Integrator and Digital Timer in lieu of Timer. Integrator comes complete with **vacuum time delay for one button automation**. Details on page 17 Add \$625.00

Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
31 x 41	\$9,750.00	No chg.	40 x 60	600 lbs.
37 x 47	10,060.00	No chg.	46 x 66	700 lbs.
42 x 52	10,560.00	No chg.	51 x 67	800 lbs.
52 x 52	11,130.00	No chg.	61 x 67	975 lbs.
46 x 60	11,450.00	No chg.	55 x 75	1000 lbs.

Electrical Specifications–230 Volt, Single Phase, A.C.

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DOUTHITT HEAVY DUTY DIRECT METHOD SCREENMAKER

MODEL DMZ-T



PRICE INCLUDES:

- (1) Complete 2500 Watt Metal Halide Printing Lamp Assembly.
- (2) Glass down design. Simply load, close, expose.
- (3) No limit to height of screen because of special Douthitt "Deep Draw" Black Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the screen frame and holds your positive in perfect contact.
- (4) Douthitt Heavy Duty Model Magic 83 10 channel memory combination light integrator and digital timer.
- (5) Completely automatic operation. Vacuum delay and light exposure activated by closing the frame.
- (6) Cooling fans to insure against excessive heat build-up.
- (7) Heavy duty pump and motor.
- (8) Instrument panel conveniently mounted on side of unit.
- (9) All heavy gauge metal construction.
- (10) Large convenient access door on left side of unit.
- (11) Large external exhaust assembly.

Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
41 x 56	\$12,400.00	No chg.	55 x 71	900 lbs.
46 x 60	12,900.00	No chg.	56 x 75	1000 lbs.

DOUTHITT Direct Method Twin Frame Screenmaker

- Load One Frame While Other Frame is Exposing
- Fastest Production Speed
- No Exposed Printing Rays
- Power Driven Vacuum Frames on Heavy Duty Gear Track

MODEL DMG

PRICE INCLUDES:

- (1) Two complete vacuum frames with Douthitt's special "Deep Draw" Black Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the screen frame and holds your positive in perfect contact.
- (2) Complete 5000 Watt Metal Halide Lamp Assembly with HF1 Exhaust System. This lamp is the ideal light source for screen type emulsion. Shorter exposures, harder emulsion, and sharper detail than all others.
- (3) Douthitt Heavy Duty Model Magic 83 combination light integrator and digital timer with 10 channel memory.
- (4) Vacuum frames are power driven on heavy duty gear track with precision bearings.
- (5) Electronically controlled accelerating and decelerating motor for smooth operation.
- (6) Two heavy duty pumps and motors.



Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
31 x 41	\$17,180.00	No chg.	64 x 73	850 lbs.
37 x 47	18,210.00	No chg.	70 x 85	950 lbs.
42 x 52	19,010.00	No chg.	75 x 95	1000 lbs.
52 x 52	19,710.00	No chg.	75 x 115	1200 lbs.

Electrical Specifications – 220 Volt, Single Phase

OPTIONAL ACCESSORIES:

- (A) Two Douthitt Heavy Duty Model 26 Silent Air Pumps instead of standard pumps and motors (these pumps require compressed air) see page 17 for details Add \$ 790.00
- (B) 8000 Watt Printing Lamp assembly instead of standard lamp..... Add \$895.00

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DOUTHITT HEAVY DUTY DIRECT METHOD SCREENMAKER MODEL DME

INCLUDES:

- (1) Complete Metal Halide Printing Lamp Assembly.
- (2) Douthitt Heavy Duty Model Magic 83 10 channel memory combination light integrator and digital timer. Integrator comes complete with vacuum time delay for one button automation.
- (3) No limit to height of screen because of special Douthitt "Deep Draw" Black Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the screen frame and holds your positive in perfect contact.
- (4) Heavy Duty Vacuum Pump and Motor.
- (5) Vacuum Relief Bleeder Valve.
- (6) Loads Glass Down.
- (7) Effortless raising and lowering of the blanket frame.
- (8) All Heavy Gauge Welded Construction.
- (9) Bottom and Back are left open to facilitate cooling.



Size Inside Blanket Beading	Crating	Floor Space	Approx. Crated Weight
33 x 41	No chg.	40 x 52	450 lbs.
35 x 46	No chg.	42 x 57	500 lbs.

Prices on request.

DOUTHITT Heavy Duty Screen Inspection Table



PRICE INCLUDES:

- (1) Items 2-11 listed on page 33 for Douthitt Heavy Duty Layout Table.
- (2) Adjustable tilting top from 0° to 70°.
- (3) Extra illumination to make inspection of screens easy.
- (4) Adjustable screen bar to hold screens at most convenient height.

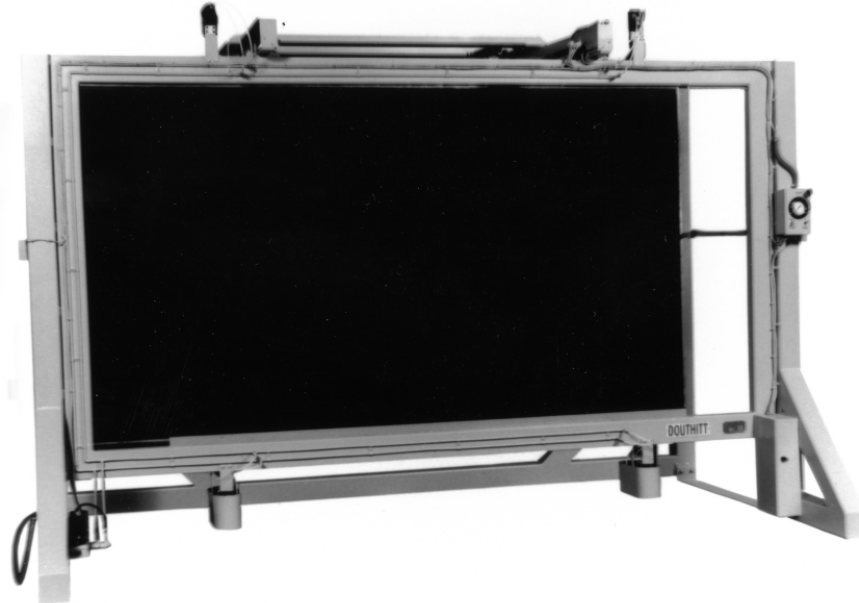
**Motorized Adjustment Available. Details on Request.
Custom Sizes Available**

Glass Area	Price	Crating	Overall Size	Approx. Crated Weight
39 x 51	\$3625.00	No chg.	47 x 58	625 lbs.
49 x 59	4195.00	No chg.	56 x 66	700 lbs.
64 x 76	5695.00	No chg.	71 x 83	800 lbs.

Electrical Specifications: 110 Volt, Single Phase, 60 Cycle

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DOUTHITT Heavy Duty Direct Method Screen Vacuum Frame MODEL DMV



- Easy Ergonomic Loading of Large and/or Heavy Screen Frames
- Load Frame Vertically on Heavy Duty Steel Support Bar
- Motorized Blanket Frame Moves Toward Glass Frame
- Blanket Frame is Power Driven on Heavy Duty Gear Track and Controlled by accelerating and decelerating Motor for Smooth Operation
- Air Locks Seal Frames
- Douthitt Model 52 Air Pump Provides Perfect Contact



Printing Lamps
see page 16

PRICE INCLUDES:

- (1) Special Douthitt "Deep Draw" Black Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the Screen Frame and holds your positive in perfect contact.
- (2) Douthitt Heavy Duty Model 52 Silent Air Pump.*
- (3) Compressed Air Powered Frame Locks to seal glass and blanket frames.
- (4) Motorized opening and closing of vacuum blanket frame.
- (5) Optic Clear A-1 select glass.
- (6) Heavy Duty Steel Loading Bar.

Sizes up to 128 x 300 — details upon request

Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
58 x 110	\$13,995.00	No chg.	72 x 121	1700 lbs.
80 x 166	23,155.00	No chg.	72 x 177	3500 lbs.
86 x 190	27,195.00	No chg.	72 x 201	4200 lbs.

*Needs compressed air

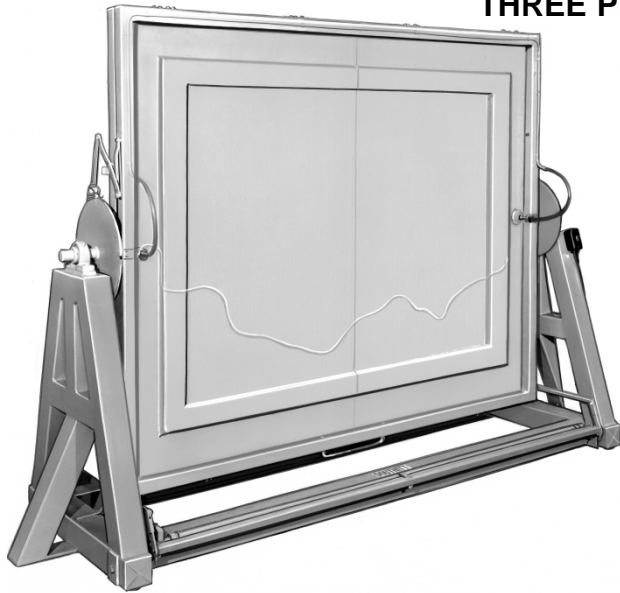
Custom sizes available. Details upon request.

Electrical Specifications: 110 Volt, Single Phase, 2A.

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DOUTHITT Heavy Duty Direct Method Screen Vacuum Frame

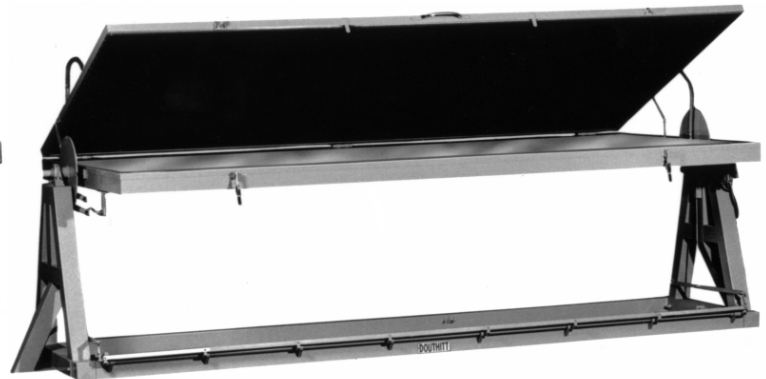
LOADS GLASS DOWN and ROTATES 360°
THREE PRINTING POSITIONS



THE WORK HORSE
OF THE
INDUSTRY!



Printing Lamps
see page 16



MODEL DML

Loads Glass down. 360° dual Rotor Plates (actuated by convenient foot treadle) allow operator to print from overhead or either vertical position: Away from operator or toward operator.

PRICE INCLUDES:

- (1) Special DOUTHITT "DEEP DRAW" BLACK Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the silk screen frame and holds your positive in perfect contact.
- (2) Heavy Duty Vacuum Pump and Motor.
- (3) Vacuum Relief Bleeder Valve mounted on instrument panel.
- (4) Blanket Frame lifts to any position. When loaded, patented fulcrum arrangement equalizes weight of loaded frames.
- (5) Exclusive system gives 360° rotation.
- (6) Optic clear A-1 Select Glass.
- (7) Ten Foot Service Cord.
- (8) All heavy gauge steel welded construction.
- (9) Vacuum gauge and necessary operational switches housed on convenient instrument panel.
- (10) Unit finished in easy to clean, long wearing Epoxy Enamel.
- (11) Positive locking device.

Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
51 x 63	\$ 6925.00	No chg.	54 x 99	900 lbs.
60 x 75	8125.00	No chg.	63 x 111	1200 lbs.
69 x 87	8925.00	No chg.	72 x 123	1700 lbs.
75 x 100	9975.00	No chg.	78 x 136	2000 lbs.
69 x 144	13,445.00	No chg.	72 x 180	2400 lbs.
89 x 118	13,995.00	No chg.	92 x 154	2800 lbs.
85 x 144	16,675.00	No chg.	88 x 180	3500 lbs.

Special Sizes available on request.

Electrical Specifications - 115 Volt, Single Phase, A.C.

Specify if 230 Volt, Single Phase, A.C. preferred.

Special Electrical requirements available on request.

All Model DMWs, DMSs, and DMLs may be ordered with a Douthitt Heavy Duty Model 26 Silent Air Pump instead of a standard pump and motor. (This pump requires compressed air.) See page 17 for details Add \$395.00

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DOUTHITT Heavy Duty Direct Method Screen Vacuum Frames

MODEL DMW Space Saver Wall Model

Loads Glass down and then tilts up to Vertical position for Printing.

PRICE INCLUDES:

- (1) Special DOUTHITT "DEEP DRAW" BLACK Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the silk screen frame and holds your positive in perfect contact.
- (2) Heavy Duty Vacuum Pump and Motor.
- (3) Vacuum Relief Bleeder Valve and vacuum gauge.
- (4) Counterbalanced sliding weights concealed in side tubes provide lifelong assistance in raising of blanket frame and tilting of glass and blanket frames.
- (5) Optic clear A-1 Select Glass.
- (6) Ten Foot Service Cord.



Printing Lamps
see page 16

Size Inside Blanket Beading	Price	Crating	Ht. 72" Width Left To Right	Approx. Crated Weight
35 x 45	\$4395.00	No chg.	61"	400 lbs.
38 x 50	4515.00	No chg.	67"	450 lbs.
42 x 52	4745.00	No chg.	69"	500 lbs.
43 x 63	5175.00	No chg.	80"	550 lbs.
51 x 63	5715.00	No chg.	80"	600 lbs.
53 x 73	6195.00	No chg.	90"	750 lbs.

MODEL DMS

Loads Glass down-blanket up. 360° Rotor Plate allows operator to print from overhead or either vertical position (1) away from operator (2) toward operator.

PRICE INCLUDES:

- (1) Special DOUTHITT "DEEP DRAW" BLACK Blanket. Under vacuum, this blanket swiftly molds itself to the shape of the silk screen frame and holds your positive in perfect contact.
- (2) Heavy Duty Vacuum Pump and Motor.
- (3) Vacuum Relief Bleeder Valve and vacuum gauge.
- (4) Optic clear A-1 Select Glass.
- (5) Special Rotor Locking Mechanism permits easy-sure stops for horizontal and vertical positions.
- (6) Positive locking device for perfect vacuum.
- (7) On sizes 37 x 47, 42 x 52 and 43 x 63, Rotating and locking is actuated by convenient Foot Treadle.



Size Inside Blanket Beading	Price	Crating	Floor Space	Approx. Crated Weight
23 x 29	\$3045.00	No chg.	30 x 37	228 lbs.
27 x 31	3175.00	No chg.	33 x 39	255 lbs.
29 x 37	3275.00	No chg.	35 x 45	273 lbs.
31 x 41	3395.00	No chg.	35 x 49	303 lbs.
37 x 47	3985.00	No chg.	40 x 54	335 lbs.
42 x 52	4175.00	No chg.	45 x 59	375 lbs.
43 x 63	4665.00	No chg.	46 x 71	450 lbs.

Electrical Specifications – 115 Volt, 60 Cycle, Single Phase, A.C.
Specify if 230 Volt, 60 Cycle, Single Phase, A.C. preferred – No extra charge.
Special Electrical requirements available on request.

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DOUTHITT HEAVY DUTY Model Sahara Screen Dryer



- High Volume air movement for faster drying!
- Heavy Duty Construction
- Any Size Available



INCLUDES:

- (1) Uniform air flow and heat to insure fast, complete drying of screens.
- (2) Heavy duty welded construction.
- (3) Thermostatically controlled temperature.
- (4) Insulated.
- (5) UV safe 3/16" acrylic doors.

DOUTHITT Screen Wash-Out Viewer Sink



Illuminated area	Price	Crating	Overall Size	Approx. Crated Weight
35 x 45	\$4,995.00	No Chg.	50"W x 36"D x 72"H	650 lbs.
45 x 55	5,595.00	No Chg.	60"W x 36"D x 77"H	850 lbs.
55 x 65	6,395.00	No Chg.	70"W x 36"D x 82"H	1100 lbs.

Custom sizes available.

Electrical: 115 Volt, 60 Cycle, Single Phase A.C.

Plumbing: 1½" Drain

OPTIONAL ACCESSORIES:

- (A) Constructed in all heavy duty stainless steel construction instead of standard Dura-Bond coated sheet steel. Add \$950.00
- (B) Precision Water Regulator mounted on unit to accurately set water Temperature. Pricing on Request

PRICE INCLUDES:

- (1) Polished Plate Glass sealed water tight in stainless steel frame over opalescent plexiglas to insure even non-glare illumination.
- (2) Large capacity stainless steel water trough with stainless steel duck board.
- (3) Heavy gauge sheet steel construction with special DURA-BOND coating to protect against rust, etc..
- (4) Fluorescent Lighting System controlled by a water-proof light switch.
- (5) Hose and adjustable spray nozzle.

Manufactured by: The Douthitt Corporation, 245 Adair St., Detroit, Michigan 48207
 Toll Free 1-800-DOUTHIT(T) Phone 313-259-1565
 Established 1919 · Fax No. 313-259-6806
 www.douthittcorp.com · E-Mail: em@douthittcorp.com

THEIMER VIOLUX AND OLEC OLITE PRINTING LAMPS

BEST SELECTION OF THE WORLD'S FINEST PRINTING LAMPS

SAME DAY DELIVERY FROM DOUTHITT WAREHOUSE
(FACTORY AUTHORIZED SALES AND SERVICE)

In addition to stocking the Printing Lamp Assemblies & Replacement Bulbs, Douthitt stocks the replacement parts for all Theimer Violux and Olec Olite Printing Lamps. Call us for information & pricing or visit us at www.douthittcorp.com.

REPLACEMENT BULBS FOR VIOLUX & VIOLIGHT LAMPS

	Part No.	Price		Part No.	Price
FOR VIOLUX 500S and/or 1500			FOR VIOLUX SUPER/MULTI 10/8002T		
Multi Spectrum, type THS1507	823197	\$195.00	Multi Spectrum, type THS8027	821897	\$400.00
FOR VIOLUX 3002/4002T			FOR VIOLUX RAPID		
Diazo, type THS3020	822390	\$275.00	Diazo, type 5090	34299	\$280.00
Multi Spectrum, type THS3027	821397	\$275.00	FOR VIOLIGHT 1000		
FOR VIOLUX VM4			Diazo, type THS1000	820190	\$195.00
Diazo, type THS4020	822490	\$280.00	Multi Spectrum, type THS1007	820197	\$195.00
Multi Spectrum, type THS4027	822497	\$280.00	FOR VIOLIGHT 3000		
FOR VIOLUX 5002			Diazo, type THS3000	820390	\$250.00
Diazo, type THS5020	822590	\$300.00	Multi Spectrum, type THS3007	820397	\$250.00
Multi Spectrum, type THS5027	822597	\$300.00	FOR VIOLIGHT 5000		
FOR VIOLUX VM6/6002T			Diazo, type THS5000	820590	\$290.00
Diazo, type THS6020	822690	\$310.00	Multi Spectrum, type THS5007	820597	\$290.00
Multi Spectrum, type THS6027	822697	\$310.00			

OPTIONAL ACCESSORIES:

For High Wattage Lamps

- | | | | |
|---|----------|---|---------------|
| (A) Kokomo Filter
with mounting brackets | \$314.00 | (D) Extended Double Rail Mounting Bracket for Filters
(for stand mounted systems) | \$395.00 |
| without mounting brackets | \$249.00 | (E) Motorized Dual Rolling Filter Holder with
Kokomo and Clearing Filter (Special
integrator is needed for automation) | Add \$1595.00 |
| (B) Dylux Clearing Filter complete
with mounting brackets | \$314.00 | (F) Douthitt Heavy Duty Model MAGIC 83 Combination
Light Integrator and Digital Timer with UV Photocell.
Details on page 17. | \$995.00 |
| without mounting brackets | \$249.00 | | |
| (C) Extended Double Rail Mounting Bracket for Filters
(for overhead mounted systems) | \$255.00 | | |

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OLEC OLITE AND THEIMER VIOLUX PRINTING LAMPS

**SAME DAY DELIVERY FROM DOUTHITT WAREHOUSE
(FACTORY AUTHORIZED SALES AND SERVICE)**

OLITE LAMP ASSEMBLIES

MODEL	SPECIFICATIONS	PRICE
AL25	OLITE Printing Lamp Assembly, Dual-Level 2500 Watt (2500-1000) Electrical: 220 Volt, Single Phase, 12 amps maximum operating current	\$3915.00 Shipping Weight: 130 lbs.
AL35	OLITE Printing Lamp Assembly, Tri-Level 3500 Watt (3500-2000-1000) Electrical: 220 Volt, Single Phase, 16 amps maximum operating current	\$4863.00 Shipping Weight: 175 lbs.
AL53	OLITE Printing Lamp Assembly, Tri-Level 5000 Watt (5000-2000-1000) Electrical: 220 Volt, Single Phase, 23 amps maximum operating current	\$5976.00 Shipping Weight: 200 lbs.
AL83*	OLITE Printing Lamp Assembly, Tri-Level 8000 Watt (8000-3500-2000) Electrical: 220 Volt, Single Phase, 42 amps maximum operating current	\$6869.00 Shipping Weight: 200 lbs.
	*HF1 Exhaust System recommended with AL83	Add \$ 769.00

REPLACEMENT BULBS FOR OLITE LAMPS

FOR AL9/AL13

L900	Multi Spectrum Lamp	\$217.00
L902	Photopolymer Lamp	\$217.00

FOR AL15/AL19/AL20

L1250E	Dual Spectrum Lamp	\$325.00
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FOR AL23/35/53/100 LAMPS

L1250	Diazo Lamp	\$295.00
L1261	Photopolymer Lamp	\$295.00
L1252	Photopolymer /Diazo Lamp	\$345.00

FOR AL83 LAMP

L1280	Diazo Lamp	\$388.00
L1281	Photopolymer Lamp	\$388.00
L1282	Dual Spectrum Lamp	\$388.00

OPTIONAL ACCESSORIES:

FOR AL83/AL53/AL35/AL23/AL19/AL20 LAMPS:

	PRICE
(A) Rolling Filter Holder with either Kokomo or Clearing Filter	\$ 600.00
(B) Dual Rolling Filter Holder with Kokomo and Clearing Filter	\$ 744.00
(C) Motorized Rolling Filter Holder with Kokomo or Clearing Filter	\$1060.00
(D) Motorized Dual Rolling Filter Holder with Kokomo and Clearing Filter	\$1265.00
(E) Exhaust System	\$ 769.00
(F) Douthitt Heavy Duty Floor Stand for Vertical Printing.....	\$ 495.00
(G) Douthitt Heavy Duty Model Magic 83 Light Integrator and Digital Timer with UV Photocell (See Page 17)	\$ 995.00



Olite
AL53

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DOUTHITT and OLIX INTEGRATORS

THE MOST COMPLETE SELECTION OF THE WORLD'S BEST COMBINATION LIGHT INTEGRATORS AND DIGITAL TIMERS

Quality demands control and consistency. Light source variations affect the quality of your exposed film, plates, screens or proofs. With microprocessor technology, these precision instruments automatically compensate for these variations by adjusting the length of the exposure to provide the correct amount of light every time. These integrators can also be set up to control vacuum draw down time to eliminate another variable.

DOUTHITT Model Magic 83 Combination Light Integrator and Digital Timer

Price with frame mounted UV photocell with cable and bracket.....\$995.00



PRICE INCLUDES:

- (1) Ten (10) programmable memories.
- (2) Large, easy to read display that counts down and resets after each exposure.
- (3) Vacuum time delay.
- (4) Remote control of two lights or up to three intensity levels on Olec Printing Lamps.
- (5) Simple design for ease of operation.
- (6) Photometer.

OLIX Model 975SC

- Thirty-one Channels • Control of Filters • Battery Back Up • Individual Vacuum Delays

DOUTHITT HEAVY DUTY AIR PUMP

DOUTHITT MODEL 26 AIR PUMP

A Quiet, Efficient, Cool, Maintenance Free Vacuum Pump Designed to Operate on Compressed Air.

This new vacuum pump operates on a multi-ejector system driven by compressed air. The compressed air enters a system of venturies at high speed and as it expands along its path, induces a much larger volume of air flow. This system is designed so that the induced air flow varies in a strength/volume ratio automatically according to the change in loading which enables the maximum effect.



SPECIFICATIONS

Air Consumption: 2 1/4 H.P.
 Maximum Vacuum: 27"
 Total Weight: 5.25 lbs.
 Dimensions: 14"L x 8"H x 3 1/2" Deep
Customer must furnish Compressed Air

AVAILABLE ON ALL DOUTHITT EQUIPMENT

Price \$995.00
 If ordered on any Douthitt Vacuum frame or platemaker in lieu of standard pump and motor.
 Price \$395.00

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DOUTHITT HEAVY DUTY Color Viewing Stations

MODEL xVIEW



- **5000 Kelvin lighting**
- **Heavy Duty Construction**
- **Any Size available including walk in models for large format printing**



- **Pictured with two optional 5-drawer ball bearing cabinets**

PRICE INCLUDES:

- (1) Consistent 5000 Kelvin lighting.
- (2) Heavy duty gauge steel welded construction finished with Munsel N8/gray paint for proper viewing condition.
- (3) Dimmer intensity controlled lighting.
- (4) Side walls reduce ambient light for more accurate viewing condition.

Size	Price	Crating	Overall Size D x L x H	Approx. Crated Weight
30 x 40	\$4,495.00	No Chg.	37" x 44" x 90"	650 lbs.
50 x 80	6,995.00	No Chg.	55" x 85" x 90"	900 lbs.
60 x 120	8,495.00	No Chg.	65" x 125" x 90"	1300 lbs.

OPTIONAL ACCESSORIES:

- (A) 5 - Drawer ball bearing cabinet mounted under viewer.
- (B) Back lit diffused light table instead of standard table to inspect Film or Transparencies.

Prices on request.



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DOUTHITT HEAVY DUTY PLATEMAKER

MODEL DCOPXD



- **DESIGNED TO LOOK ATTRACTIVE IN A NON TRADITIONAL ENVIRONMENT.**
- **BEST PERFORMANCE ON**
 - PLATES
 - PROOFS
 - FILMS
 - STOCHASTIC
- **OPTION "X" GUARANTEES FASTEST CONTACT AND BEST REGISTRATION**

Film and Plate Size	Size Inside Blanket Beading	Price with OPTION "X"	Crating	Floor Space	Height	Approx. Crated Weight	Minimum and Maximum Printing Distance Between Frame and Lamp (measured from edge of Reflector) in one inch increments
29 x 40	31 x 41	\$16,605.00	No Chg.	45 x 55	8'0"	1550 lbs.	24" thru 48"
35 x 45	37 x 47	\$17,105.00	No Chg.	51 x 61	8'0"	1650 lbs.	24" thru 48"
40 x 50	42 x 52	\$17,405.00	No Chg.	56 x 66	8'0"	1800 lbs.	24" thru 48"

PRICE INCLUDES:

- (1) Douthitt's OPTION "X" Vacuum system, an electronically controlled inverse air evacuation system that starts the vacuum in the center of the frame and moves it outward to the edges eliminating the trapping of air. OPTION "X" gives you the fastest, most consistent overall contact and the best registration.
- (2) Complete Olite AL53 Tri-Level 5000 Watt Printing Lamp Assembly. For more details on the Printing Lamps see page 16.
- (3) Douthitt Heavy Duty Model Magic 83 Combination Light Integrator and Digital Timer with 10 channel memory. Integrator comes complete with vacuum time delay, UV photocell, and ability to control all 3 intensities of printing lamps. For more details see page 17.
- (4) 5-Drawer Ball Bearing Cabinet mounted inside frame.
- (5) Opaque curtain assembly to eliminate light spillage. Fully fire retardant and OSHA approved material.
- (6) Printing Lamp can be raised and lowered by means of counterbalanced weight concealed in vertical post.
- (7) Spring Loaded Back is furnished on the blanket frame allowing any height register pins or contact boards of any thickness.
- (8) Finger Tip Control of glass frame is achieved by exclusive patented spring and fulcrum system (clamps automatically).
- (9) Heavy Duty Vacuum Pump and Motor.
- (10) Heavy Duty Universal Blanket.
- (11) All heavy gauge steel welded construction.

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DOUTHITT HEAVY DUTY GLASS DOWN CONTACT PRINTER

MODEL GDCP

A Compact Heavy Duty Glass Down Contact Printer.

INCLUDES:

- (1) Complete Metal Halide Printing Lamp Assembly.
- (2) Douthitt Heavy Duty Model MAGIC 83 Combination Light Integrator and Digital Timer complete with 10 memories.
- (3) Heavy Duty Vacuum Pump and Motor.
- (4) Vacuum Relief Bleeder Valve.
- (5) Heavy Duty Smooth Universal Blanket allowing pins of any height.
- (6) Loads Glass Down.
- (7) Effortless raising and lowering of the blanket frame.
- (8) No exposed printing rays.
- (9) Cooling fans to insure against excessive heat build-up.
- (10) All Heavy Gauge Welded Construction.



OPTIONAL ACCESSORIES:

- (A) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air) see page 17 for details.

DOUTHITT'S NEW VACUUM SYSTEM OPTION "X"

OPTION "X" is a controlled inverse air evacuation system which starts the evacuation of air in the center of the frame and then moves outward to the edges eliminating the trapping of air. It is over twice as fast as a conventional frame and quickly pays for itself in time saved and avoidance of remakes. Because of its absolute, consistent, repeatable electronically controlled air evacuation pattern, it will maintain better register than any other frame and will reduce your makeovers and scrap rate.

Film Size	Crating	Floor Space	Approx. Crated Weight
-----------	---------	-------------	-----------------------

20 x 24	No chg.	30 x 31	300 lbs.
26 x 30	No chg.	36 x 37	500 lbs.

Prices on request.

DESKTOP CAN BE ORDERED WITH DOUTHITT'S EXCLUSIVE "DEEP DRAW" BLACK BLANKET AND IS IDEAL FOR SMALL FORMAT SCREEN PRINTING!

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DOUTHITT HEAVY DUTY EXPOSURE SYSTEM

EXCONO MODEL

Douthitt Advantages in an Economy Package

PRICE INCLUDES:

- (1) Douthitt's OPTION "X" Vacuum system, an electronically controlled inverse air evacuation system that starts the vacuum in the center of the frame and moves it outward to the edges eliminating the trapping of air. OPTION "X" gives you the fastest, most consistent overall contact and the best registration.
- (2) Complete Olite AL 53 Tri-level 5000 Watt Printing Lamp Assembly with fixed height mount. For more details on the Printing Lamps see page 16.
- (3) Douthitt Heavy Duty Model Magic 83 Combination Light Integrator and Digital Timer with 10 channel memory. Integrator comes complete with vacuum delay, UV photocell, and ability to control all 3 intensities of the printing lamps. For more details see page 17.
- (4) Spring Loaded Back is furnished on the blanket frame allowing any height register pins or contact boards of any thickness.
- (5) Opaque curtain assembly to eliminate light spillage. Fully fire retardant and OSHA approved material.
- (6) Finger Tip Control of glass frame is achieved by exclusive, patented spring and fulcrum system (clamps automatically).
- (7) Heavy Duty Universal Blanket.
- (8) Heavy Duty Vacuum Pump and Motor.
- (9) Optic clear A-1 Select Glass.
- (10) All heavy gauge steel welded construction.
- (11) Vacuum Gauge, Integrator and necessary operational switches housed on convenient instrument panel.



Film and Plate Size	Size Inside Blanket Beading	Price With OPTION "X"	Floor Space	Crating No. Chg. Weight
26 x 30	27 x 31	\$12,495.00	40 x 43	780 lbs.
29 x 40	31 x 41	12,895.00	44 x 53	850 lbs.
33 x 43	35 x 45	12,995.00	50 x 56	880 lbs.
37 x 48	38 x 50	13,295.00	54 x 61	930 lbs.
40 x 50	42 x 52	13,415.00	54 x 63	970 lbs.
40 x 60	42 x 62	13,865.00	54 x 73	1020 lbs.
48 x 60	50 x 62	14,245.00	63 x 74	1130 lbs.

OPTIONAL ACCESSORIES

- (A) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air) see page 17 for details Add \$ 395.00

DOUTHITT'S NEW VACUUM SYSTEM OPTION "X"

OPTION "X" is a controlled inverse air evacuation system which starts the evacuation of air in the center of the frame and then moves outward to the edges eliminating the trapping of air. It is over twice as fast as a conventional frame and quickly pays for itself in time saved and avoidance of remakes. Because of its absolute, consistent, repeatable electronically controlled air evacuation pattern, it will maintain better register than any other frame and will reduce your makeovers and scrap rate.

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DOUTHITT HEAVY DUTY TWIN FRAME PLATEMAKER

PRODUCTION SPEED

PRECISION QUALITY

MODEL GEMINI

- Load One Frame While Other Frame Is Exposing
- Option "X" On Both Frames Guarantees Fastest Contact And Best Registration
- Counterbalanced Adjustable Lamp To Optimize Exposure Time And Coverage



PRICE INCLUDES:

- (1) Two complete vacuum frames with the OPTION "X" cavity vacuum system, an electronically controlled inverse air evacuation system that starts the vacuum in the center of the frame and moves it outward to the edges eliminating the trapping of air. OPTION "X" gives you the fastest, most consistent overall contact and the best registration.
- (2) Complete Olite AL53 Tri-Level 5000 Watt Printing Lamp Assembly. For more information on the Printing Lamps see page 16.
- (3) Two Douthitt Heavy Duty Magic 83 Combination Light Integrators and Digital Timers. Each integrator comes complete with photocell. For more details see page 17.
- (4) Printing Lamp can be raised and lowered by means of counterbalanced weight concealed inside unit, guaranteeing optimum coverage.
- (5) Spring Loaded Back is furnished on both blanket frames
- (6) Vacuum Frames are power driven on heavy duty gear track with precision bearings.
- (7) Electronically controlled accelerating and decelerating motor for smooth operation.
- (8) Conveniently located control switches and vacuum gauges.
- (9) Large access doors for easy cleaning, installation and maintenance.
- (10) All Heavy gauge steel welded construction.
- (11) Two Heavy Duty pump and motors.
- (12) Two Heavy Duty smooth universal blankets.
- (13) Pumps and Power Supply conveniently located on shelf inside cabinet.
- (14) Effortless raising and lowering of the glass frames.

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DOUTHITT HEAVY DUTY TWIN FRAME PLATEMAKER MODEL GEMINI

**ONLY DOUTHITT HAS THE OPTION "X" VACUUM SYSTEM
TO GUARANTEE PERFECT REGISTRATION**

Film and Plate Size	Size Inside Blanket Beading	Price with OPTION "X"	Crating	Floor Space	Height*	Approx. Crated Weight	Minimum and Maximum Printing Distance Between Frame and Lamp (measured from edge of Reflector) in one inch increments
29 x 40	31 x 41	\$21,705.00	No Chg.	61 x 72	7'0"	2200 lbs.	25" thru 43"
35 x 45	37 x 47	22,805.00	No Chg.	67 x 83	7'0"	2600 lbs.	25" thru 43"
40 x 50	42 x 52	23,805.00	No Chg.	72 x 93	7'0"	3300 lbs.	25" thru 43"
44 x 54	46 x 56	25,105.00	No Chg.	76 x 101	7'0"	3700 lbs.	25" thru 43"
40 x 60	42 x 62	25,305.00	No Chg.	82 x 93	7'0"	3700 lbs.	25" thru 43"
48 x 60	51 x 63	26,705.00	No Chg.	84 x 114	7'4"	4000 lbs.	29" thru 47"

*Height dimension is to top of cabinet. Add 10" to height dimensions for maximum distance. Electrical – 220 Volt, Single Phase. **Gemini can be disassembled if needed for installation.**

DOUTHITT'S NEW VACUUM SYSTEM OPTION "X"

OPTION "X" is a controlled inverse air evacuation system which starts the evacuation of air in the center of the frame and then moves outward to the edges eliminating the trapping of air. It is over twice as fast as a conventional frame and quickly pays for itself in time saved and avoidance of remakes. Because of its absolute, consistent, repeatable electronically controlled air evacuation pattern, it will maintain better register than any other frame and will reduce your makeovers and scrap rate.

OPTIONAL ACCESSORIES:

- | | |
|--|---|
| <p>(A) Two Douthitt Heavy Duty Model 26 Silent Air Pumps instead of standard pumps and motors (these pumps require compressed air) Add \$ 790.00</p> <p>(B) Any Douthitt or Olix Combination Light Integrators and Digital Timers can be mounted in lieu of standard integrators Olix 975SC Add \$ 945.00</p> <p>(C) Olite AL83 8000 Watt Tri-Level Printing Lamp Assembly with HF1 exhaust system instead of Standard Lamp Add \$1660.00</p> <p>(D) Filters for Olite Lamps Motorized Dual Rolling Filter Holder with Kokomo and Clearing Filters Add \$1265.00</p> | <p>(E) 5-Drawer Ball Bearing Cabinet mounted inside frame
29 x 40 through 40 x 50 (Drawer I.D. 32 x 43) \$ 1595.00
44 x 54 through 48 x 60 (Drawer I.D. 38 x 50) \$ 1745.00
Larger cabinets available.</p> <p>(F) Motorized raising and lowering of Printing Lamp Assembly instead of manual lifting Add \$ 995.00</p> <p>(G) Spare bulb for printing lamp - see pages 15 & 16.</p> |
|--|---|

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DOUTHITT HEAVY DUTY CONSOLE OVERHEAD PLATEMAKER

ALL DOUTHITT PLATEMAKERS
NOW COME STANDARD WITH
OPTION "X"



Ideal For

- Plates
- Proofs
- Films

DOUTHITT'S NEW VACUUM SYSTEM OPTION "X"

OPTION "X" is a controlled inverse air evacuation system which starts the evacuation of air in the center of the frame and then moves outward to the edges eliminating the trapping of air. It is over twice as fast as a conventional frame and quickly pays for itself in time saved and avoidance of remakes. Because of its absolute, consistent, repeatable electronically controlled air evacuation pattern, it will maintain better register than any other frame and will reduce your makeovers and scrap rate.

Film and Plate Size	Size Inside Blanket Beading	Price with OPTION "X"	Crating	Floor Space	Height*	Approx. Crated Weight	Minimum and Maximum Printing Distance Between Frame and Lamp
30 x 40	31 x 41	\$13,605.00	No Chg.	40 x 47	8'8"	1250 lbs.	24" thru 60"
35 x 45	37 x 47	14,135.00	No Chg.	47 x 55	8'8"	1350 lbs.	24" thru 60"
40 x 50	42 x 52	14,485.00	No Chg.	53 x 60	8'8"	1450 lbs.	24" thru 60"
44 x 54	46 x 55	14,935.00	No Chg.	57 x 64	8'8"	1500 lbs.	24" thru 60"
40 x 60	42 x 62	15,035.00	No Chg.	53 x 70	8'8"	1550 lbs.	30" thru 60"
48 x 60	51 x 63	15,505.00	No Chg.	61 x 70	8'8"	1650 lbs.	30" thru 60"

*Height dimension is from floor to top of post. Add eleven inches to height dimension for maximum distance. Special heights for low ceiling – details on request. Electrical – 115 Volt, 60 Hz. Single Phase A.C. Vacuum System. 220 Volt, 60 Hz. Single Phase A.C. Lamp.

PRICE INCLUDES:

- (1) Douthitt's OPTION "X" Vacuum system, an electronically controlled inverse air evacuation system that starts the vacuum in the center of the frame and moves it outward to the edges eliminating the trapping of air. OPTION "X" gives you the fastest, most consistent overall contact and the best registration.
- (2) Complete Olite AL 53 Tri-Level 5000 Watt Printing Lamp Assembly.
- (3) Douthitt Heavy Duty Model Magic 83 Combination Light Integrator and Digital Timer with 10 channel memory. Integrator comes complete with vacuum time delay, UV photocell, and ability to control all 3 intensities of printing lamps. For more details see page 17.
- (4) Printing Lamp can be raised and lowered by means of counterbalanced weight concealed in vertical post.
- (5) Spring Loaded Back is furnished on the blanket frame allowing any height register pins or contact boards of any thickness.
- (6) Printing Lamp has travel up to 60" for daylight materials.
- (7) Heavy Duty Vacuum Pump and Motor.
- (8) Heavy Duty Universal Blanket.
- (9) Optic clear A-1 Select Glass.
- (10) Finger Tip Control of glass frame is achieved by exclusive, patented spring and fulcrum system (clamps automatically).

OPTIONAL ACCESSORIES:

- (A) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air) see page 17 for details Add \$ 395.00
- (B) Olite AL 83 8000 Watt Tri-Level Printing Lamp Assembly complete with exhaust system instead of Standard Lamp Add \$ 1660.00
- (C) Dual Rolling Filter Holder with Kokomo and Clearing Filter Add \$ 744.00
- (D) Opaque Curtain Assembly – Eliminate Light Spillage, Fully Fire Retardant and OSHA approved material Add \$ 1095.00
- (E) 5-Drawer Ball Bearing Cabinet mounted inside frame
29 x 40 through 40 x 50 (Drawer I.D. 32 x 43) \$ 1495.00
44 x 54 through 48 x 60 (Drawer I.D. 38 x 50) \$ 1645.00

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DOUTHITT HEAVY DUTY VACUUM FRAME

Elevating and Revolving Model



**NOW STANDARD WITH OPTION "X"
FASTEST CONTACT • BEST REGISTRATION**



**Customized Models Available
Single or Double Sided**

PRICE INCLUDES:

- (1) Douthitt's OPTION "X" Vacuum System. OPTION "X" gives you the fastest, most consistent overall contact and the best registration.
- (2) Revolves 360° through Gyrotory Axis which Elevates, Lowers, Locks and Turns in single sweeping effortless action.
- (3) Can be elevated with glass up or down.
- (4) Minimizes time spent in cleaning of glass.
- (5) Inspection Light (Gold Fluorescent) mounted in base.

- (6) Spring Loaded Back is furnished on the blanket frame allowing any height register pins on top or thru register boards.
- (7) Heavy Duty Universal Blanket.
- (8) Heavy Duty Pump, Motor and Vacuum Gauge.
- (9) Optic clear A-1 Select Glass.
- (10) All heavy gauge steel welded construction.
- (11) Unit finished in easy to clean, long wearing Epoxy Enamel.

OPTIONAL ACCESSORIES:

- (A) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air) see page 17 for details..... Add \$ 395.00
- (B) Any Douthitt or Olix Combination Light Integrator and Digital Timer can be conveniently mounted on frame. MAGIC 83 Add \$1095.00 Details on page 17. (A vacuum time delay is included with above integrator. Price includes photocell.)
- (C) Side troughs for Roll materials (see photographs above)..... \$3125.00
- (D) Electric Lift Mechanism for raising and lowering glass or blanket frame\$4195.00
- (E) Frame may be ordered without OPTION "X" Prices upon request.

Film and Plate Size	Size Inside Blanket Beading	Price with OPTION "X"	Space Required	Crating No Chg. Weight
40 x 60	43 x 63	\$12,625.00	46 x 96	1250 lbs.
48 x 60	51 x 63	13,245.00	54 x 96	1350 lbs.
50 x 70	53 x 73	13,675.00	56 x 106	1450 lbs.
60 x 80	63 x 83	15,195.00	66 x 116	1650 lbs.
64 x 84	67 x 87	17,025.00	70 x 121	1800 lbs.
44 x 100	47 x 103	16,095.00	50 x 137	1750 lbs.
54 x 120	57 x 123	18,975.00	60 x 157	2050 lbs.
60 x 120	63 x 123	20,595.00	70 x 157	2250 lbs.
54 x 144	57 x 147	21,475.00	60 x 181	2350 lbs.
60 x 144	67 x 147	23,325.00	70 x 181	2550 lbs.

Custom Sizes – prices on request

Electrical Specifications – 115 Volt, 60 Cycle, Single Phase, A.C.

Special electrical requirements available on request.

Manufactured by: The Douthitt Corporation, 245 Adair St., Detroit, Michigan 48207
Toll Free 1-800-DOUTHIT(T) Phone 313-259-1565
Established 1919 · Fax No. 313-259-6806
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DOUTHITT HEAVY DUTY VACUUM FRAME

**NOW STANDARD WITH OPTION "X"
FASTEST CONTACT • BEST REGISTRATION**



DOUTHITT'S NEW VACUUM SYSTEM OPTION "X"

OPTION "X" is a controlled inverse air evacuation system which starts the evacuation of air in the center of the frame and then moves outward to the edges eliminating the trapping of air. It is over twice as fast as a conventional frame and quickly pays for itself in time saved and avoidance of remakes. Because of its absolute, consistent, repeatable electronically controlled air evacuation pattern, it will maintain better register than any other frame and will reduce your makeovers and scrap rate.

MODEL DL

Rugged construction, especially designed for ease of operation and long lasting, efficient service in a production shop. **Has two printing positions:** (1) Horizontal (2) Vertical.

PRICE INCLUDES:

- (1) Douthitt's OPTION "X" Vacuum System. OPTION "X" gives you the fastest, most consistent overall contact and the best registration.
- (2) Heavy Duty Vacuum Pump and Motor.
- (3) Heavy Duty Universal Blanket.
- (4) Counterbalanced sliding weights concealed in side tubes provide lifelong effortless raising of glass frame and effortless tilting of glass and blanket frames.
- (5) Spring Loaded Back is furnished on the blanket frame allowing any height register pins on top or thru register boards.
- (6) Optic clear A-1 Select Glass.
- (7) Ten Foot Service Cord.
- (8) All heavy gauge steel welded construction.

- (9) Vacuum gauge and necessary operational Switches housed on convenient instrument panel.
- (10) Unit finished in easy to clean, long wearing Epoxy Enamel.
- (11) Positive locking device for perfect vacuum.

Film and Plate Size	Size Inside Blanket Beading	Price with OPTION "X"	Space Required	Crating No Chg. Weight
40 x 60	43 x 63	\$ 7,225.00	46 x 78	750 lbs.
48 x 60	51 x 63	8,045.00	54 x 78	925 lbs.
50 x 70	53 x 73	8,855.00	56 x 88	975 lbs.
60 x 80	63 x 83	10,225.00	66 x 98	1075 lbs.
44 x 100	47 x 103	10,625.00	50 x 116	1425 lbs.
52 x 100	55 x 103	11,645.00	58 x 118	1525 lbs.

Special Sizes Available on Request

Electrical Specifications – 115 Volt, 60 Cycle, Single Phase, A.C.

Special Electrical requirements available on request.

OPTIONAL ACCESSORIES:

- (A) Any Douthitt or Olix Combination Light Integrator and Digital Timer can be conveniently mounted on frame.
MAGIC 83 Add \$1095.00
Details on page 17.
(A vacuum time delay is included with above integrator. Price includes photocell.)
- (B) Frame may be ordered without OPTION "X" Prices upon request
- (C) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air)
(this pump requires compressed air)
see page 17 for details Add \$ 395.00
- (D) Built with Glass down and Blanket up Add \$1495.00
- (E) Reverse DL-Built to tilt toward operator (to save floor space) Add \$1525.00
- (F) Side troughs for Roll materials Add \$2795.00

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DOUTHITT HEAVY DUTY Flexographic Platemaker MODEL DCOPXF



- **GATF Award-winning Option “X” Vacuum System Guarantees Fastest Contact and Best Registration**
- **High Wattage Point Light With Heavy Duty Diffusion Filter**

Plate Size	Price with Option “X”	Crating	Floor Space	Approx. Crated Weight
30 x 35	\$17,545.00	No chg.	40 x 47	1350 lbs.
35 x 40	18,005.00	No chg.	47 x 55	1450 lbs.
40 x 45	18,425.00	No chg.	53 x 60	1550 lbs.
48 x 55	19,445.00	No chg.	61 x 70	1750 lbs.

PRICE INCLUDES:

- (1) Douthitt’s OPTION “X” Vacuum system, an electronically controlled inverse air evacuation system that starts the vacuum in the center of the frame and moves it outward to the edges eliminating the trapping of air. OPTION “X” gives you the fastest, most consistent overall contact and the best registration.
- (2) Complete Olite AL 53 Tri-Level 5000 Watt Printing Lamp Assembly. For more details on the Printing Lamps see page 16.
- (3) Heavy Duty Motorized Diffusion Filter for controlling exact dot/shoulder specification.
- (4) Automated controls simplify the operation for multiple exposure needs. Standard with 31 channels of memory and battery back up.
- (5) Printing Lamp can be raised and lowered by means of counterbalanced weight concealed inside unit, guaranteeing optimum coverage.
- (6) Spring Loaded Back is furnished on the blanket frame allowing any height register pins or contact boards of any thickness.

OPTIONAL ACCESSORIES:

- (A) Douthitt Heavy Duty Model 26 Silent Air Pump instead of standard pump and motor (this pump requires compressed air) see page 16 for details.....Add \$395.00
- (B) Olite AL83 8000 Watt Tri-Level Printing Lamp Assembly with exhaust system instead of Standard LampAdd \$1660.00
- (C) Motorized Dual Rolling Filter Holder with Kokomo and Clearing Filters.....Add \$1265.00
- (D) 5-Drawer Ball Bearing Cabinet mounted inside frame 30 x 35 through 40 x 45 (Drawer I.D. 32 x 43).....\$1495.00 48 x 55 (Drawer I.D. 38 x 50)..... \$1645.00 Larger cabinets available.
- (E) Opaque Curtain Assembly - Eliminate Light Spillage, Fully Fire Retardant and OSHA approved material.....Add \$1095.00

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DOUTHITT HEAVY DUTY

Twin Frame Flexographic Platemaker

MODEL FLEXGEM

- **GATF Award-winning Option “X” Vacuum System On Both Frames Guarantees Fastest Contact and Best Registration**
- **Load One Frame While Other Frame is exposing**
- **High Wattage Point Light With Heavy Duty Diffusion Filter**



Film and Plate Size	Size Inside Blanket Beading	Crating	Floor Space	Height	Approx. Crated Weight	Minimum and Maximum Printing Distance Between Frame and Lamp
29x40	31x41	No Chg.	61 x 72	7' 0"	2300 lbs.	25" thru 43"
40x50	42x52	No Chg.	72 x 95	7' 0"	3500 lbs.	25" thru 43"
48x60	51x63	No Chg.	84 x 113	7' 4"	4200 lbs.	29" thru 47"

Prices on request.

PRICE INCLUDES:

- (1) Two complete vacuum frames with the OPTION “X” cavity vacuum system, an electronically controlled inverse air evacuation system that starts the vacuum in the center of the frame and moves it outward to the edges eliminating the trapping of air. OPTION “X” gives you the fastest, most consistent overall contact and the best registration.
- (2) Complete Olite AL 53 Tri-Level 5000 Watt Printing Lamp Assembly. For more information on Printing Lamps see page 16.
- (3) Heavy Duty Motorized Diffusion Filter for controlling exact dot/shoulder specifications.
- (4) Automated controls simplify the operation for multiple exposure needs. Standard with 31 channels of memory and battery backup.
- (5) Printing lamp can be raised or lowered by means of counterbalanced weight concealed inside unit, guaranteeing optimum coverage.
- (6) Spring Loaded Back is furnished on both blanket frames allowing any height register pins or contact boards of any thickness.
- (7) Vacuum Frames are power driven on heavy duty gear track with precision bearings.

- (8) Electronically controlled accelerating and decelerating motor for smooth operation.

OPTIONAL ACCESSORIES:

- (A) Two Douthitt Heavy Duty Model 26 Silent Air Pumps instead of standard pumps and motors (these pumps require compressed air) Add \$ 790.00
- (B) Olite AL83 8000 Watt Tri-Level Printing Lamp Assembly with exhaust system instead of Standard Lamp Add \$ 1660.00
- (C) Motorized Dual Rolling Filter holder with Kokomo and Clearing Filters Add \$ 1265.00
- (D) 5-Drawer Ball Bearing Cabinet mounted inside frame
 29 x 40 and 40 x 50 (Drawer I.D. 32 x 43) Add \$ 1595.00
 48 x 60 (Drawer I.D. 38 x 50) Add \$ 1745.00

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DOUTHITT FLEXOGRAPHIC PLATEMAKERS

MODEL DCOFP

High Wattage Point Light Unit with Automated Diffusion Filter
Higher Resolution and Less Dot Gain



INCLUDES:

- (1) Complete Olite AL83 Tri-Level 8000 Watt Printing Lamp Assembly with Heat Exhaust System.
- (2) Motorized Diffusion Filter for controlling exact dot/shoulder specification.
- (3) Automated controls simplify the operation for multiple exposure needs. Standard with 31 channels of memory and battery back up.
- (4) Loads on Aluminum Platen with mylar vacuum blanket and crossflow fan for cooling surface.
- (5) Opaque curtain assembly to eliminate light spillage. Fully fire retardant and OSHA approved material.
- (6) Printing Lamp can be raised and lowered by means of counterbalanced weight concealed in vertical post.
- (7) Finger Tip Control of glass frame is achieved by exclusive patented spring and fulcrum system (clamps automatically).
- (8) Heavy Duty Vacuum Pump and Motor.
- (9) All heavy gauge steel welded construction.

Maximum Plate Size	Crating	Floor Space	Height	Approx. Crated Weight
25 x 30	No Chg.	48 x 55	8'0"	1550 lbs.
30 x 40	No Chg.	59 x 66	8'0"	1650 lbs.
48 x 60	No Chg.	71 x 85	8'0"	1800 lbs.

Prices on request.

MODEL "COOL" PRINTER

Fast – Cool – No Exposed Light

INCLUDES:

- (1) A bank of high output cool UVA lights with fans to maintain a cool working surface.
- (2) The reflector hood is raised and lowered effortlessly.
- (3) The loading platen is constructed of a drilled and routed aluminum plate. Plastic is rolled on a bar over the platen, insuring fast contact with minimal absorption of U.V. light.
- (4) Heavy Duty Digital Timer.
- (5) Heavy Duty Vacuum Pump and Motor. Vacuum Gauge. Bleeder Valve.
- (6) All heavy gauge steel welded construction.



Maximum Plate Size	Crating	Overall Size	Approx. Crated Weight
17 x 24	No chg.	25 x 34	300 lbs.
30 x 40	No chg.	48 x 51	500 lbs.
35 x 45	No chg.	55 x 57	600 lbs.

Prices on request.

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DOUTHITT HEAVY DUTY *EXPOD* FLEXOGRAPHIC PLATEMAKER

Expose/Detack/Post Expose Exposure System

- A bank of high output UVA lamps with fans to maintain a cool working surface for main exposure and back exposure
- A Bottom Drawer to access 2 additional banks of lamps - UVC lamps for the detack exposure and UVA lamps for post exposure. Each bank is controlled by its own independent timer
- Convenient visual indicators to determine if detack/post exposure lamps are lit
- Available with or without vacuum system (for digitally masked plates)
- Optional Plate Drying Drawers Available



Sizes Available for plate sizes from
25 x 30 to 52 x 80

DOUTHITT UV CURING SYSTEMS

- Lamp Wattage and Width per your Application's Requirements
- Variable Speed Transfer Belt
- Air Cooling System to Maintain Low Temperature of Base Substrates
- Focused Reflector for High Concentration of UV Energy
- Heavy Duty Steel Welded Construction
- Optional Real Time UV Monitoring



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DOUTHITT HEAVY DUTY

Dual Drawer Two Sided Exposure Unit for Fast and Accurate Production of Circuit Boards

Model Taurus

- 5000 or 8000 Watt Available
- Custom Sizes Available
- Heavy Duty Steel Welded Construction
- Focused Reflector for High Resolution



Maximum Image Area	Wattage	Price	Crating	Floor Space	Approx. Crated Weight
24 x 30	5000	\$34,840.00	No Charge	54"W x 75"D x 74"H	2000 lbs.
24 x 30	8000	\$42,140.00	No Charge	54"W x 75"D x 74"H	2185 lbs.
29 x 40	8000	\$48,105.00	No Charge	64"W x 84"D x 89"H	2500 lbs.
29 x 50	8000	\$57,105.00	No Charge	74"W x 84"D x 108"H	2800 lbs.

SPECIFICATIONS

Cabinet: Welded heavy gauge steel construction. Two full length hinge doors for easy access.

Lamps: Two each metal halide. Air cooled ozone-free quartz.

Uniformity: +/- 10% C.A.D. reflectors.

Cooling: 8,000 BTU/hr. air conditioning system is integrated into the cabinet, with condensor mounted in back. Turbo fans direct cool air onto drawers and lamps during exposure and loading. Available with a heat exchanger in lieu of air conditioner.

Chases: Mylar frame and glass can be quickly removed from the main frame carrier.

Chase Drives: Heavy duty gear track with precision bearings. Accelerating/decelerating direct drive motor.

Contact System: Unique fast vacuum system and passive locking system for higher productivity.

Electrical: 5KW-208-240 volt, 50/60 hz. single phase, 60 amps. Three phase, 45 amps. 8KW -208-240 volt, 50/60hz, 70 amps, three phase.

Controls: Electronic Light Integrator with LED display for precision control. Easy to program and one button operation.

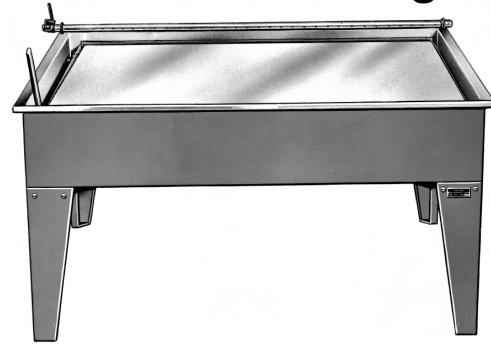
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DOUTHITT Heavy Duty Plate Developing Sink

With exclusive tilting tray

PRICE INCLUDES:

- (1) Spray pipe for even water distribution across tray.
- (2) Full length type 316 stainless steel tray with turned up edges to hold water for soaking (when tray is in horizontal position).
- (3) Exclusive balanced fulcrum gear mechanism allows easy movement of lever to drop one edge of tray and dump water quickly.
- (4) Sturdy reinforced all heavy metal welded construction.
- (5) FLAKELINE® coated interior for protection from chemicals. Exterior of unit finished with 3 coats of rust resistant, easy to clean Epoxy Enamel.
- (6) Floor type adjustable leveling screws.
- (7) Unit has removable legs for easy access.



Special Sizes – Available on Request

Specifications: Tray – Type 316 stainless steel

Sink – 14 gauge steel – depth 11½ inches

Spray pipe – Aluminum

Plumbing Specifications: 1½ inch center pitched drain in sink – ½ inch water connection on spray pipe.

Working Area	Price	Crating	Floor Space	Approx. Crated Weight
34 x 44	\$3350.00	No chg.	40 x 51	350 lbs.
40 x 50	3995.00	No chg.	46 x 66	400 lbs.
52 x 62	4945.00	No chg.	58 x 71	500 lbs.
64 x 84	6375.00	No chg.	70 x 91	600 lbs.

DOUTHITT Heavy Duty Ink-Up and Utility Table



Table Top covered with non-skid rubber

PRICE INCLUDES:

- (1) Sturdy reinforced all heavy gauge welded steel construction.
- (2) Rubber Top to hold plates without clamps.
- (3) Large storage shelf full length of table.
- (4) Unit finished in easy to clean, long wearing Epoxy Enamel.
- (5) Floor type adjustable leveling screws.

Working Area	Price	Crating	Floor Space	Approx. Crated Weight
30 x 38	\$1695.00	No chg.	30 x 38	145 lbs.
38 x 50	1795.00	No chg.	38 x 50	185 lbs.
43 x 63	1995.00	No chg.	43 x 63	220 lbs.
50 x 62	2295.00	No chg.	50 x 62	350 lbs.
63 x 83	3095.00	No chg.	63 x 83	508 lbs.

Special Sizes – Prices on Request

DOUTHITT Heavy Duty Adjustable Layout Table



PRICE INCLUDES:

- (1) All eleven items listed on page 33 for Douthitt Heavy Duty Layout Table.
- (2) Plus: Adjustable tilting top.

Working Area	Price	Crating	Floor Space	Approx. Crated Weight
28 x 32	\$3085.00	No chg.	36 x 39	350 lbs.
32 x 42	3215.00	No chg.	40 x 49	400 lbs.
39 x 51	3545.00	No chg.	47 x 58	450 lbs.
43 x 53	3695.00	No chg.	51 x 60	550 lbs.
26 x 70	3795.00	No chg.	34 x 77	600 lbs.

Electrical Specifications: 115 Volt, 60 Cycle, Single Phase, A.C.
Special Electrical requirements available – price on request.

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DOUTHITT HEAVY DUTY LAYOUT TABLE

PRICE INCLUDES:

- (1) Labor saving, easily adjustable two inch wide straight edges.
- (2) Engineered depth designed for a cool working surface and prevention of glare.
- (3) Fluorescent Light – Two ranges of intensity – Uniform, even, non-glare, soft or bright illumination – Your choice with a flip of the switch.
- (4) Light Switch receptacle has female plug for accessories.
- (5) Top glass is polished plate.
- (6) Opalescent Plexiglas under top glass insures uniform illumination.
- (7) Your choice of color (if not specified, table will be finished in an easy to clean gray Epoxy Enamel).
- (8) All heavy gauge welded steel construction. Strongest table available.
- (9) Adjustable floor type leveling screws.
- (10) Ten Foot Service Cord.
- (11) Lamp replacement made easy by big access door.



Glass Area	Price	Crating	Overall Size	Approx. Crated Weight
32 x 42	\$2995.00	No chg.	39 x 49	350 lbs.
39 x 51	3125.00	No chg.	46 x 58	425 lbs.
43 x 53	3395.00	No chg.	50 x 60	525 lbs.
44 x 64	3475.00	No chg.	51 x 71	550 lbs.
49 x 59	3545.00	No chg.	56 x 66	550 lbs.
57 x 77	4495.00	No chg.	64 x 84	750 lbs.
64 x 84	4695.00	No chg.	71 x 91	1100 lbs.
48 x 96	4855.00	No chg.	55 x 103	1100 lbs.
44 x 120	5945.00	No chg.	51 x 127	1150 lbs.
66 x 126	7445.00	No chg.	73 x 133	1400 lbs.

Electrical Specifications: 115 Volt, 60 Cycle, Single Phase, A.C.
 Special Electrical requirements available on request.
 Custom Tables and special sizes – prices on request

DOUTHITT Stainless Steel Developing Sink

Complete unit (including legs) made of Type 316 Stainless Steel

PRICE INCLUDES:

- (1) Type 316 heavy gauge Stainless Steel throughout.
- (2) Heliarc welding fuses the metal into one.
- (3) 1½ inch stainless steel removable standpipe.
- (4) 1½ inch drain located in center – rear of sink (Customer can specify alternate location – No extra charge).
- (5) Floor type adjustable leveling screws (Cadmium Plated).
- (6) Depth of Sink – 6 inches.

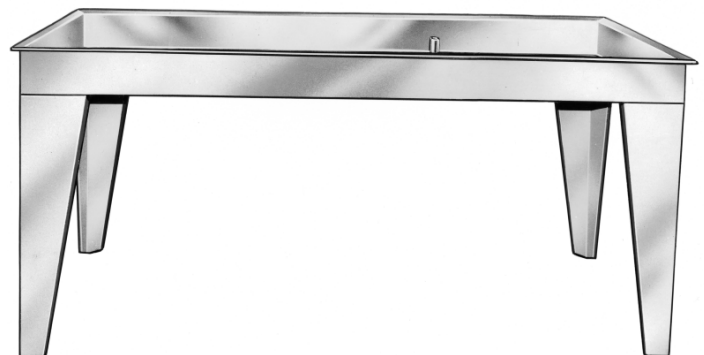
Special Sizes and Special Depths available.

Inside Dimensions	Floor Space	Approx. Crated Weight
25 x 33	28 x 36	150 lbs.
33 x 45	36 x 48	200 lbs.
33 x 65	36 x 68	275 lbs.
33 x 81	36 x 84	300 lbs.
33 x 105	36 x 108	335 lbs.
39 x 45	42 x 48	195 lbs.
39 x 100	42 x 103	435 lbs.
45 x 57	48 x 60	225 lbs.
45 x 105	48 x 108	450 lbs.
45 x 129	48 x 132	550 lbs.

OPTIONAL ACCESSORIES:

- (A) Dump Trough and Back Splash.
- (B) Back Splash Only.
- (C) Stainless Steel Duck Boards

Prices on request.



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DOUTHITT VACUUM BLANKETS

For Every Printing Frame

ALL MAKES – ALL MODELS – SIZES 16 X 20 TO 150 X 400

DOUTHITT HEAVY DUTY “SMOOTH” UNIVERSAL BLANKET

A perfect blanket for all your platemaking and contact needs. The Blanket material consists of pure rubber sandwiched between layers of a grained canvas duck. This surface will not mark your glass or indent your plates or film. Available in any length with a maximum width of 80 inches (If length exceeds 180” – Prices on request.)

PRICE – Where the narrowest O.D. (“D” dimension on print) does not exceed 52 inches, the price is 28¢ per square inch. Where it does exceed 52 inches, the price is 33¢ per square inch. No Set-Up Charge, No Crating Charge.

ANTI-STATIC PROPERTIES WOVEN INTO DOUTHITT’S SMOOTH UNIVERSAL BLANKET MATERIAL ALLOW FOR BETTER REGISTRATION.

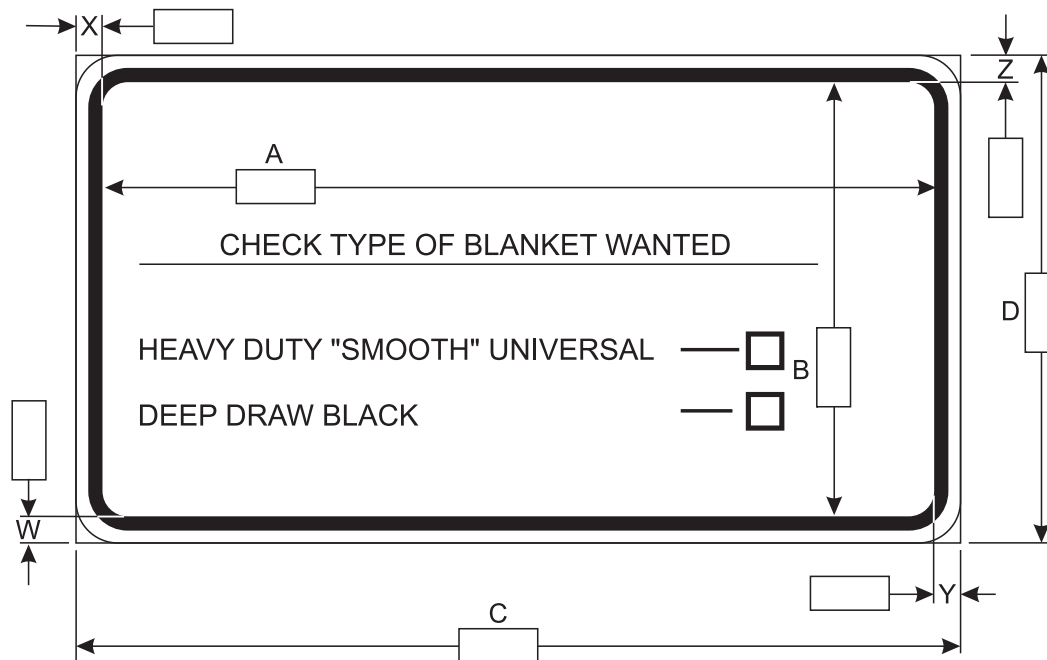
DOUTHITT “DEEPDRAW” BLACK BLANKET

For Direct Method Silk Screen Printing Frames (Textured Surface reduces drawdown time.)

Under vacuum, this blanket swiftly molds itself to the shape of the silk screen frame and holds your positive in perfect contact. Available in any size.

PRICE – Where the narrowest O.D. (“D” dimension on print) does not exceed 58 inches, the price is 24¢ per square inch. Where it does exceed 58 inches, the price is 22¢ per square inch. No Set-Up Charge, No Crating charge.

NOTE: When checking your blanket dimensions, remember $A + X + Y = C$ and $B + W + Z = D$.



SPONGE BEADING

VACUUM BLANKETS DO NOT COME WITH VALVES

- 3/8” Blanket Valve \$29.45 ea.
- 5/8” Blanket Valve \$47.50 ea.

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DOUTHITT CORPORATION

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“Roll Up” Model	Details on Request	ing and special components.	

WARRANTY

The Douthitt Corporation warrants all equipment manufactured by them for a period of one year, against breakage of parts resulting from defects in material or workmanship under normal conditions of operation, installation and usage. Douthitt’s liability under this warranty shall extend only to repair or replacement, F.O.B. Douthitt’s factory, and all broken or defective parts are to be returned to Douthitt if Douthitt so requests. Douthitt reserves the right to inspect such broken or defective parts prior to repairing or replacing same.

Douthitt’s warranty of purchased parts and components is limited to the warranty extended by the original manufacturer of such purchased parts and components. This warranty shall apply only if complaint is made in writing to Douthitt’s factory within the warranty period.

The period of this warranty shall begin on the date of shipment from Douthitt’s factory, and shall extend for twelve (12) calendar months

thereafter on all equipment installed without Douthitt’s supervision. On all equipment installed under Douthitt’s supervision, this warranty shall extend for twelve (12) calendar months after the date of completion of installation, unless installation is unreasonably delayed by the purchaser, or for causes beyond Douthitt’s control, and in such cases the maximum warranty period shall be for thirteen (13) calendar months after date of shipment from Douthitt’s factory.

The liability of Douthitt shall in no case exceed the obligation to replace such broken parts as herein provided.

This warranty shall be of no force or effect if alterations or modifications of any nature are made by the purchaser without Douthitt’s full knowledge and written consent.

No guarantees or warranties apply except as above set forth.

Manufactured by: The Douthitt Corporation, 245 Adair St., Detroit, Michigan 48207
Toll Free 1-800-DOUTHIT(T) Phone 313-259-1565
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