

# 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.

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# 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:**

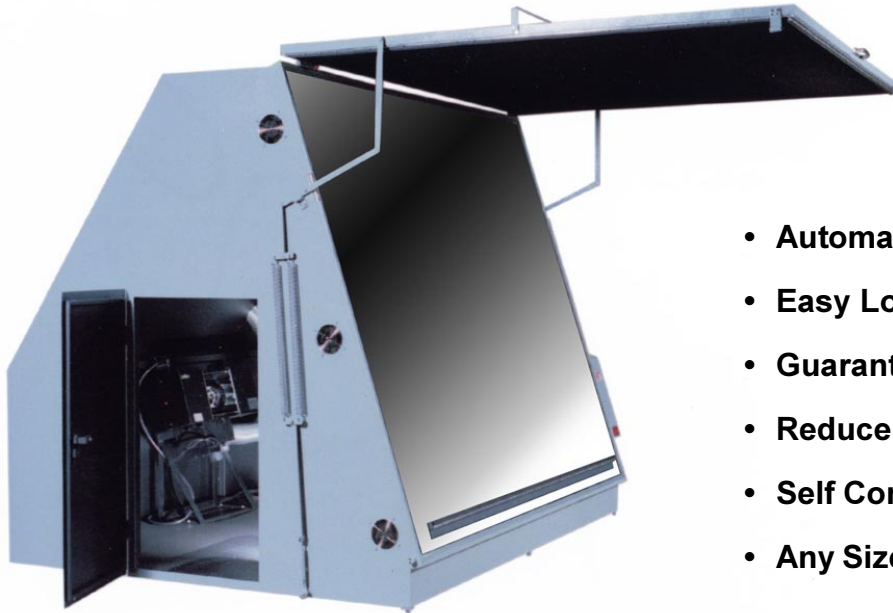
- (A) Olite AL53 Tri Level 5000 Watt or Olite AL83 Tri Level 8000 Watt Metal Halide Printing Lamp Assembly instead of standard lamp.



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

# 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.

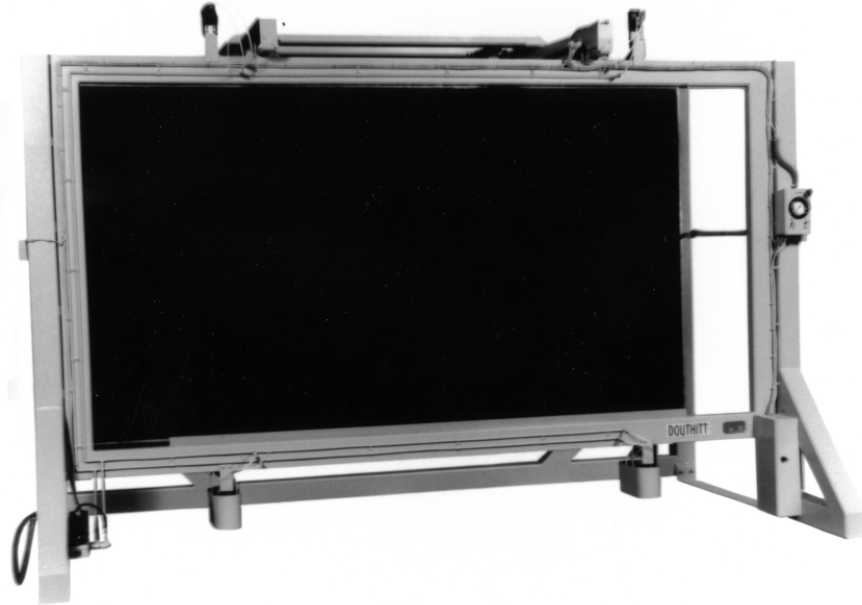
**Motorized Adjustment Available. Details on Request.  
Custom Sizes Available**

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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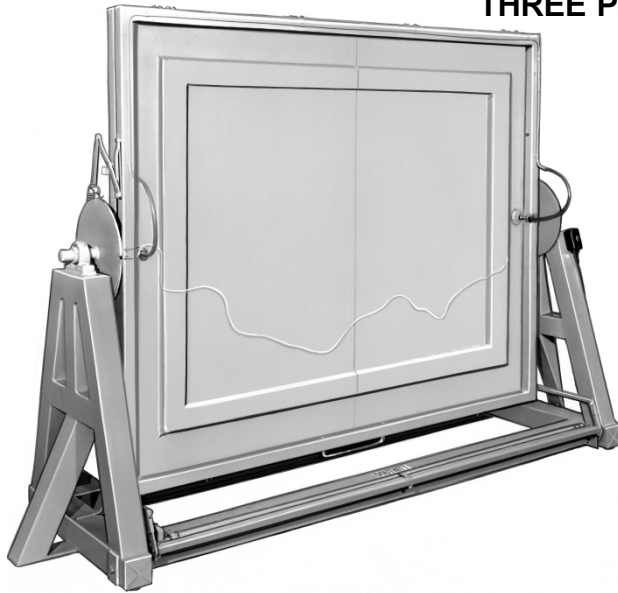
# DOUTHITT Heavy Duty Direct Method Screen Vacuum Frame

LOADS GLASS DOWN and ROTATES 360°  
THREE PRINTING POSITIONS



Printing Lamps  
see page 16

THE WORK HORSE  
OF THE  
INDUSTRY!



## 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

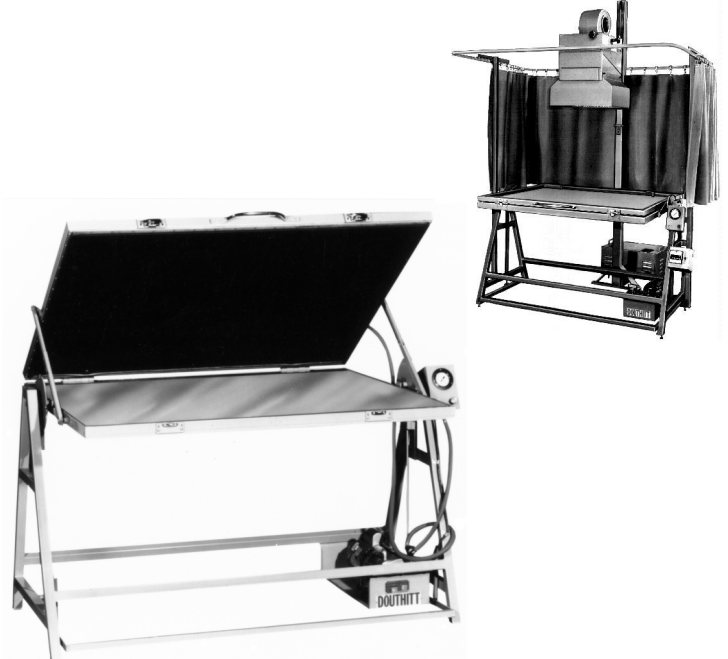
Size Inside Blanket Beading	Price	Crating	Ht. 72" Width Left To Right	Approx. Crated Weight
35 x 45	\$4395.00	No chg.	61"	400 lbs.
38 x 50	4515.00	No chg.	67"	450 lbs.
42 x 52	4745.00	No chg.	69"	500 lbs.
43 x 63	5175.00	No chg.	80"	550 lbs.
51 x 63	5715.00	No chg.	80"	600 lbs.
53 x 73	6195.00	No chg.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