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Declass Review by NGA.

November 10, 1966

Subject: Compact Printer and Processor  
for "Fly-Away" System

We have become aware of your interest in simple, compact photo process equipment for a system referred to as "Fly-Away", named after the durable fly-away box in which the equipment is to be stored and transported.

In this connection we have fabricated equipment on our own which we believe can satisfy your need. Our Model HRP, Printer, High Resolution, and Model DSP, Processor, Dry-Silver, use  Dry-Silver Paper and  Dry-Silver Film materials. Model "HRP" is a high resolution contact printer for up to 9½ inch square pictures. Model "DSP" is a dry processor requiring electricity only. No chemicals, water or other additional materials are used. In prototype form these models have been shown to your representatives. A complete description of the equipment is found in Attachment #1. Illustrations of equipment set-up and storage modes are also attached.

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The units are available for purchase at the following prices:

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Model "HRP"  
Model "DSP"

Delivery will not exceed 150 days from receipt of a purchase order. The fly-away box and viewing table is to be furnished to us during the total delivery period and then returned as part of the completed set. The necessary packaging materials are included in the above quotation.

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In addition to providing a completely dry process, the equipment offered is unique in its compactness to fit into the relatively small fly-away box. Enough space is left in the box to also hold the [redacted] viewing table which you have separately determined applicable to the "Fly-Away" needs.

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Another key feature is the Model "HRP" Printer's adequacy to expose Daylight Type "Dry-Silver" Film and Paper. These are sensitized in the ultra-violet spectral region for use in fairly bright room light. The darkroom speed "Dry-Silver" Film and Paper, of course, are also available. Prices will be quoted upon determination of type, size and quantities you require.

This quote is valid for a period of 60 days. No warranty or guarantee of fitness for use is expressed or implied beyond the equipment description set forth in Attachment #1. To expedite mail delivery of your purchase order or other non-classified correspondence, send to my attention

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[redacted]

[redacted]

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Projects Manager

JBG:bb

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Attachment #1

MACHINE DESCRIPTIONS

of

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MODEL "HRP" Contact Printer

and

MODEL "OSP" Dry Processor

for use with

"Fly-Away" System

DESCRIPTION SHEET

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DRY-SILVER HIGH RESOLUTION PRINTER, MODEL "HRP"

DRY SILVER PROCESSOR, MODEL "DSP"

FOR USE IN "FLY-AWAY" SYSTEM

GENERAL - The Model "HRP" Contact Printer and Model "DSP" Dry Processor are intended for use together to produce [redacted] Brand Dry-Silver Paper prints and [redacted] Dry-Silver Film transparencies from photographic films without the use of liquids or any additional chemicals. Both units are manually controlled, and allow the operator to produce up to 9 1/2 inch square images of high resolution content, requiring only electricity to operate. They are designed for storage in minimum available space.

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The printer uses a single exposure lamp and a resilient pad pressure platen. It unfolds from its stored condition and can be attached to a [redacted] 9" x 18" view table set up in sloped position. Length of exposure is manually controlled by push button.

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The dry processor develops by heat and provides operator control of development time and temperature, to attain variations of image contrast.

Both units are storable together with the [redacted] view table within a single fly-away box with inside dimensions of 19 7/8" long x 14 7/8" wide x 11 7/8" high. Permanent spacers will be provided to prevent equipment from damaging each other when packed.

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An operator's manual is provided for use and routine maintenance of the equipment.

MODEL "HRP" PRINTER -

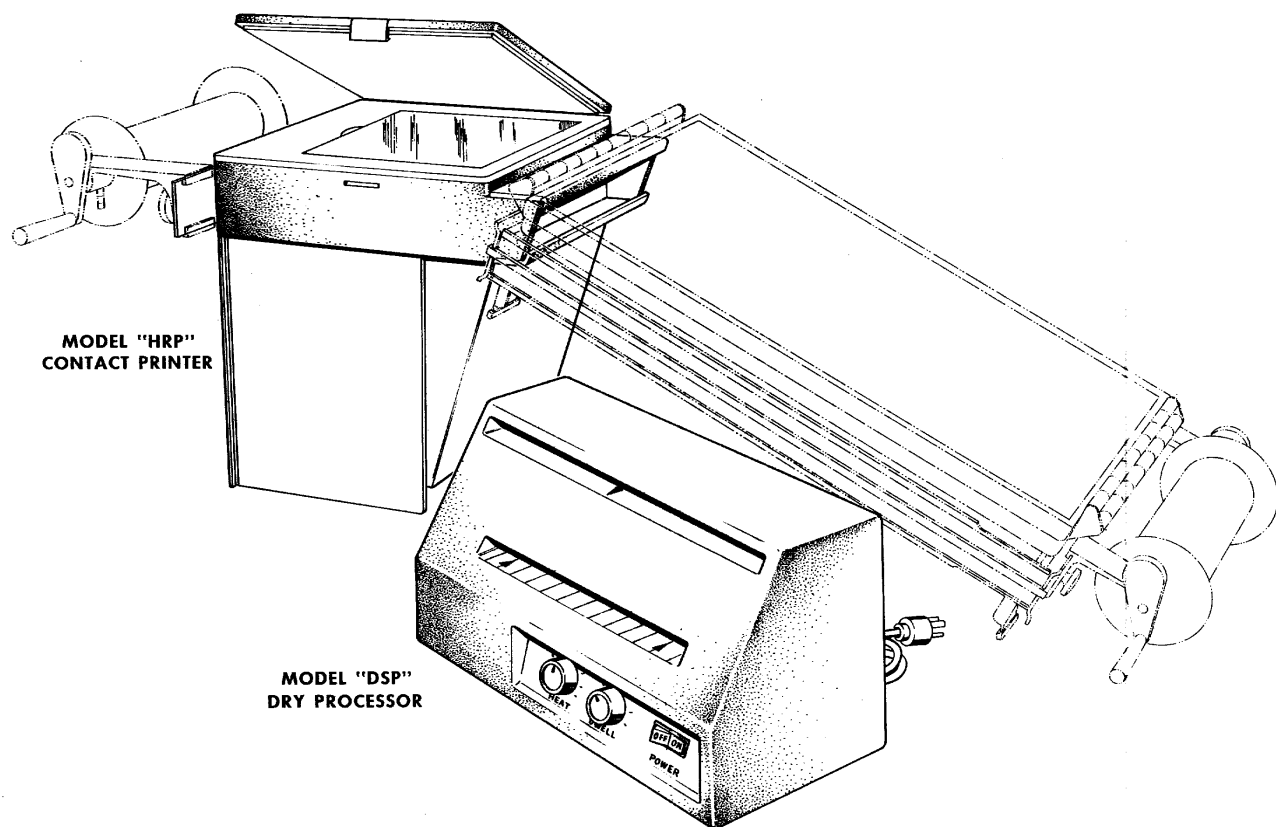
- 1). Resolution: 150 cycles/mm. minimum on 3M Brand "Dry-Silver" film.
- 2). Print size: 9½" x 9½" maximum.
- 3). Light source: One (1) 400W, 120 VAC, quartz-iodine lamp ☐ Part No. 78-8454-3461-01 ) STAT
- 4). Exposure timing: Manual, push button.
- 5). Exposure platen: Transparent acrylic, ¼ inch thick.
- 6). Pressure pad: Resilient black foam, manual latch and release.
- 7). Mounting: Attachable to ☐ #GFL-918-LW view table T-bar in maximum slope position after unfolding to operation condition. STAT
- 8). Input film handling: T-bar opposite mounting side accommodates roll spindles accompanying view table so spooled film can be easily rolled from view to print position on assembled units. Also, cut film maximum 9½" wide x any length is accommodated.
- 9). Construction: Best commercial quality. Black finish, Rounded corners.
- 10). Size: 15" high x 10½" deep x 15" wide, unfolded with cover closed.
- 11). Weight: 15 pounds.
- 12). Electrical: 120 VAC power cord, 12 ft. long with commercial grounded plug.

MODEL "DSP" PROCESSOR -

- 1). Heat source: Resistance wire in silicone rubber on metal shoe surrounding moving soft roller of nylon pile.
- 2). Power: 1200 watts heater warm-up, 300 watts controlled, 1300 watts total maximum at 120 VAC, 60 cycle.  
(Note: Provisions for 240/120 VAC, 50/60 cycle input will be installed at no additional cost if a suitable size universal transformer can be selected without compromising ability of the "DSP" Processor to fit into the "fly-away" box).
- 3). Temperature range: Controllable from 170° to 270° F. Dial marked #1 through #10 with calibration in instructions.
- 4). Development time: Controllable from 2 seconds to 20 seconds. Dial marked #1 through #10, with calibration in instructions.
- 5). Print size: 9½ inch wide maximum.
- 6). Construction: Best commercial quality. Black finish. Rounded corners.
- 7). Size: 8½" high x 8½" deep x 15" wide.
- 8). Weight: 18½ pounds.

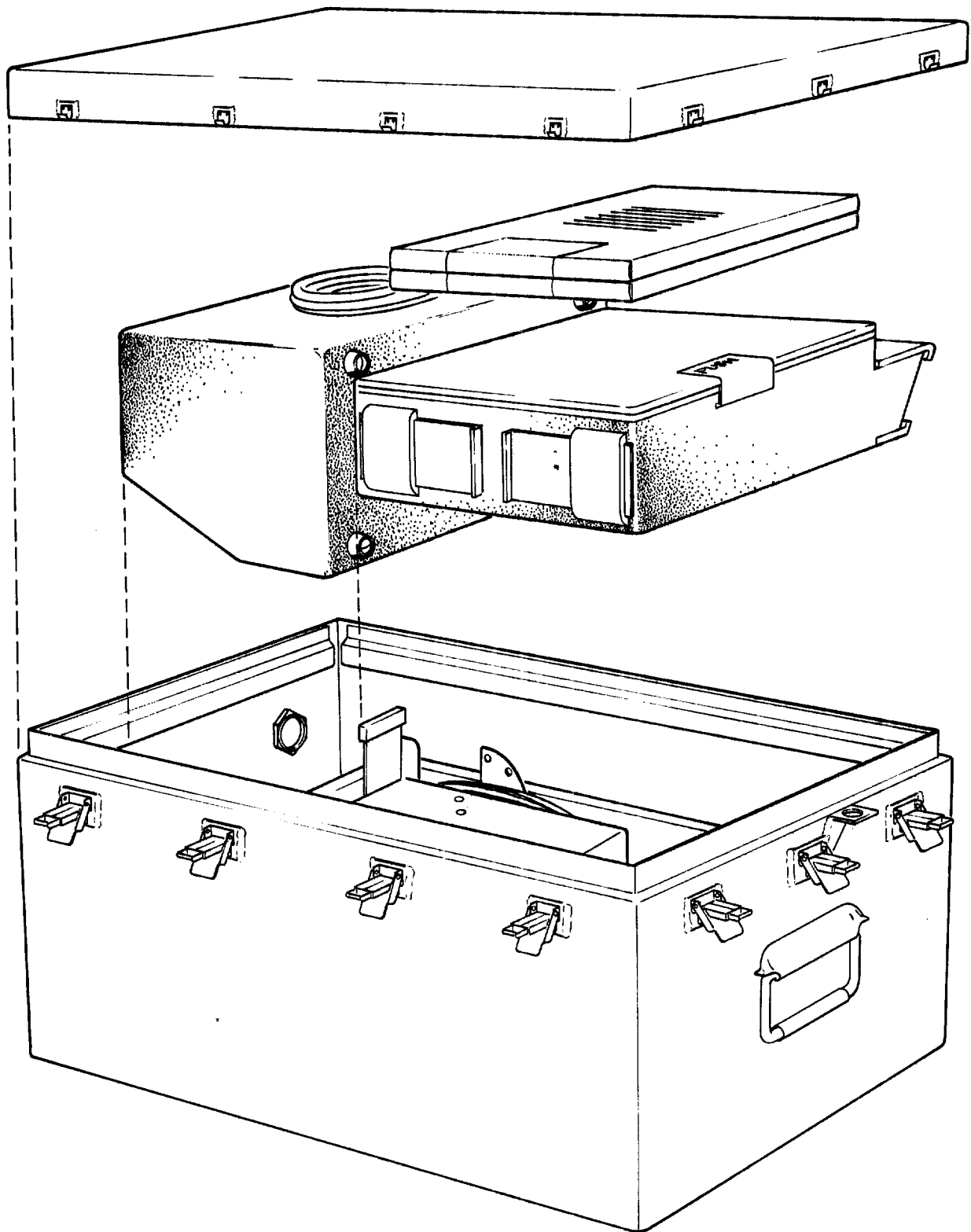


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EQUIPMENT SET-UP

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## EQUIPMENT STORAGE