This is the specially designed high speed picture reduction printer which can make the reduction of B/W as well as any colour film at the speed of 3 to 4 times in comparison with conventional step optical reduction printers, and are obtainable for printing from 35mm to 16mm, 16mm to Super-8 films and other formats at buyer's request.

FEATURES

1. The movement is the registration-pin type and the picture steadiness is excellent.
2. When the machine stops during operation, it has the mechanism to stop instantly at the place of shutter-closing, and is lit to A&B roll printing.
3. Scene to scene density and colour correction can automatically done with the cue system.
4. The machine is designed to enable the immersion printing by attaching the liquid wet applicator and can not only eliminate the scratches on the film but also obtain the superior printing of picture quality, particularly for the colour film.
5. Film movement, Aperture plate, Sprocket assembly and Cue system are easily detachable and exchangeable. It's very convenient to the users to produce different kinds of reduction printed films by exchanging these assemblies.

TECHNICAL DATA

FILM SIZE
Model DHP-1: 35mm to 16mm
Model HSP-D: 16mm to 8mm (1-4 type)
Other formats also available at buyer's request.

FILM CAPACITY
Model DHP-1:
35mm side: 1500 feet
16mm side: Separate magazine type 1200 feet or 2000 feet (optional)
Model HSP-D:
16mm side: 1200 feet
8mm (1-4 type): Separate magazine type 1200 feet

SPEED
Model DHP-1: 24 and 32 frames/sec
Model HSP-D: 32 and 40 frames/sec

PRINTING LAMP
1,000 Watts, Lamp watt-meter
graduated from 60 to 120v. D.C.
Lamp control: Fine adjustment with the rheostat
COLOR AND DENSITY CONTROL
Scene to scene, full automatic by pocket-film and subtractive system.

COUNTERS
1 footage counter
1 cue counter
1 pocket film carrier counter
1 operation time counter

CUE SYSTEM
Notch type: Notch on the edge of the negative film
Proximity switch type: (Radio frequency cue) -optional

SOLID STATE TIMER
Functioning time of the pocket film carrier can be delayed up to one second as a measure of 0.05 second from the time of notching or proximity switching.

PRINTING LENS
75mm F:4.0 specially designed or
MICRO-NIKKOR 70mm F:5.0 lens

FILM TRIP SWITCH
2 ...... Projector side
1 ...... Camera side

FILM END AUTOMATIC STOP SWITCH
1 ...... Camera side

POCKET FILM CARRIER
Capacity: 200 Pockets
Driven: By the cue system
Pocket size: 34.5mm x 24.5mm

OPTIONAL ACCESSORIES

IMMERSION PRINTING DEVICE
1 ...... Dry box mounted on the main body as standard.
1 ...... Wet liquid applicator
1 ...... Liquid circulation pump
Required power: A.C. 100V 50-60Hz.
Single phase, 25W.
1 ...... Liquid circulation filter

TERVO FAN MOTOR
For immersion printing dry box and prefiltre cooling, with exhaust pipe
Power: A.C. 220V, 3 phase 400W, Aq. 400mm.

RECTIFIER
1,000 Watts, 50 or 60Hz, D.C.

FOR PRINTING LAMP
With voltage stabilizer and voltage controller: 60V - 120V.
Nominal output tolerance: 1%
Ripple voltage: 1% max.

POCKET FILM PUNCHER
Hole size: 30mm x 21mm

POCKET FILM
25 feet per roll

N.D. AND C.C. GELATIN FILTER
Size: 34mm x 24mm
N.D. Filter: 12 kinds from No.4 to No. 48
C.C. Filter: C.M and Y each 8 kinds from No. 3 to No. 50

REQUIREMENTS

POWER REQUIREMENTS FOR OPERATION
A.C. 100~120V, Single phase, 50 or 60 Hz. 500 V.A

PRINTING LAMP
1,000 watts, 100~120V, D.C.

TERVO FAN MOTOR
A.C. 220V, 3 phase 50 or 60 Hz. 2A.
For immersion printing dryer and prefiltre cooling.

DIMENSIONS
Overall size (Model DHP-1 and HSP-D)
approx. 1500mm (W) x 2050mm (H) x 650 (D)
without Rectifier and Tervo fan motor.

WEIGHT
Approx. 330 Kg. (Model DHP-1, HSP-D)
without Rectifier and Tervo fan motor.

Model HSP-D (16mm to 58)