<table>
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<tr>
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<td>Raynox</td>
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<td>Beseler</td>
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<tr>
<td>Bogen</td>
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<tr>
<td>Polaroid</td>
</tr>
<tr>
<td>Testrite</td>
</tr>
<tr>
<td>Wess</td>
</tr>
</tbody>
</table>

Section 13
COPY EQUIPMENT

INTRODUCTION

COPY EQUIPMENT

Copystands are used by professional photographers, photo labs, schools and multimedia production facilities. They are essential tools when creating presentations for educational and commercial uses. Copystands come in two varieties: standard and backlit. Standard models generally include a baseboard onto which you place originals and a set of lights to illuminate the originals. Originals are lit at a 45° angle and photographed directly from above. A well-made copystand should offer full, even lighting across the entire surface of the baseboard. It should also be sturdy, offering vibration-free operation.

A backlit copystand includes a translucent surface that is lit from below, instead of a baseboard. It is designed for copy work that involves transparent material. Within this category are slide copiers, which are ideal for duplication work. Some of these stands are very specialized and can be used to create dynamic special effects.

In all cases, when using a copystand, be sure to balance the film you are using with the light source used for illumination. Many manufacturers offer a choice of light sources to meet your particular needs.

BENCHER

Practical, affordable Bencher copystands are flexible enough to handle a variety of copying situations. Each copystand is solidly built and can take years of rigorous use.

Bench offers copystands that can handle high-resolution video cameras weighing up to 40 lbs. (18kg). Their flexibility is a welcome addition to the classroom environment. Bencher copystands can also be configured by photographers to handle their preferred format or formats. Others will greatly appreciate Bencher’s ease and versatility.

Bench’s three designs, the Copymate II, the VP-400 and VP-310, are modular in design and are available in several styles to give you a personal, customized function. Beyond aesthetics, the modular design lets you configure to best suit your shooting needs. And they can be further enhanced by the Bench accessories. There are several copystand styles to choose from. The Column and Carriage-Only Copystand: allows you to choose baseboard, copy lights and other options; Wall Mount Column and Carriage Only: ideal for applications with limited space; Tabletop Copystand: includes column, carriage and baseboard for countertop use and accepts all Bencher accessories; Producer Copystand: a ready-to-use package that includes solid baseboard, column, carriage, sidelight arms, copy lights balanced for 3200° Kelvin and high/low light control; Illuma Copystand: all the advantages of the Producer, plus a Quartz Halogen base illuminator for copying transparent originals. The base illuminator features forced-air cooling and even 3200° Kelvin lighting - precisely balanced to the copy lights.
### Copymate II Copystands

The Copymate II series is a versatile system for anyone whose primary camera is 35mm or lightweight video weighing up to 3.5 lbs. (1.6kg). A 9-lb (4kg) capacity option is available. The stand features a rigid 36” (91cm) fluted column, finished in black for flare-free results, and a 19 x 20” (48 x 51cm) gray laminate baseboard with grid for positioning. Two light arms, mounted at the rear of the baseboard, hold down oversized originals. Centering the camera over originals is easy thanks to a 3.5” (9cm) machined steel shaft. A dual brake locking system, unique to Bencher, eliminates lateral carriage shift. Accessories for the Copymate II include 300-watt quartz halogen lights (3200K) for critical color applications and incandescent (3400K) bulbs for black and white work. A high/low Light Control reduces heat and energy expense.

#### Copymate II Column and Carriage Only (900-00)
Column and Carriage come with mounting bolts and washer plate. Add baseboard, copy lights and other options.

**Item # BECM 2CC ... 189.95**

#### Copymate II Tabletop (900-20)
The Copymate II Tabletop is designed to sit on a bench or tabletop. This copy stand lets the user build a customized system.

**Item # BECM 2TT ....... 259.95**

#### Copymate II Tabletop with Copy Lights and Sidelight Arms (900-30)
Provides the basics for in-house and on-location use. The system comes complete, with column, camera carriage, baseboard, sidelight arms and two 30-watt quartz halogen copy lights. Sidelight arms are mounted at the rear of the baseboard so oversized originals can be positioned with no interference.

**Item # BECM 2Q ... 419.95**

### COPYMATE II SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Column Height</th>
<th>Baseboard</th>
<th>Overall Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-00</td>
<td>Column &amp; Carriage</td>
<td>36” (91cm)</td>
<td>16 x 20 (41 x 51cm) W.D.</td>
<td>6 x 9 x 36” (15 x 23 x 91cm) W.D.H.</td>
<td>18 lbs. (8.2kg)</td>
</tr>
<tr>
<td>900-20</td>
<td>Tabletop</td>
<td>36” (91cm)</td>
<td>16 x 20 (41 x 51cm) W.D.</td>
<td>20 x 20 x 38” (51 x 51 x 97cm) W.D.H.</td>
<td>29 lbs. (13.2kg)</td>
</tr>
<tr>
<td>900-30</td>
<td>Quartz Halogen</td>
<td>36” (91cm)</td>
<td>16 x 20 (41 x 51cm) W.D.</td>
<td>54 x 30 x 38” (137 x 76 x 97cm) W.D.H.</td>
<td>36 lbs. (16.3kg)</td>
</tr>
<tr>
<td>900-50</td>
<td>Producer Quartz</td>
<td>36” (91cm)</td>
<td>16 x 20 (41 x 51cm) W.D.</td>
<td>54 x 20 x 38” (137 x 76 x 97cm) W.D.H.</td>
<td>38 lbs. (17.2kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice.

### COPYMATE II ACCESSORIES

#### ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Item #</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>08080</td>
<td>Copyright Safety Glass Kit</td>
<td>BEGS2</td>
<td>54.95</td>
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<tr>
<td>08083</td>
<td>Copyright Battle</td>
<td>BECLBS2</td>
<td>49.95</td>
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<td>08087</td>
<td>Copyright Polarizing Filters</td>
<td>BEPMS</td>
<td>56.50</td>
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<tr>
<td>98010</td>
<td>Qtz. Halogen Copylight w/Arm</td>
<td>BECLQSM2</td>
<td>278.95</td>
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<td>13610</td>
<td>Precision Camera Leveling Plate</td>
<td>BELLQCM2</td>
<td>54.95</td>
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<tr>
<td>06020</td>
<td>Camera Quick Release</td>
<td>BECQR</td>
<td>36.95</td>
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<tr>
<td>33160</td>
<td>4-8 lb. (1.8-3.6kg) Counterbalance Spring</td>
<td>BECBCSM2</td>
<td>6.95</td>
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<tr>
<td>98000</td>
<td>Sidelight Arms</td>
<td>BEHLA</td>
<td>73.95</td>
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<tr>
<td>98070</td>
<td>Light Control</td>
<td>BECLCM</td>
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<td>33728</td>
<td>Book Holddown</td>
<td>BEBHKD2</td>
<td>206.95</td>
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<tr>
<td>33750</td>
<td>302 Column Scale</td>
<td>BECSM2</td>
<td>17.95</td>
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<td>06049</td>
<td>49mm Reflection Shield</td>
<td>BECRS49</td>
<td>26.95</td>
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<tr>
<td>06052</td>
<td>52mm Reflection Shield</td>
<td>BECRS52</td>
<td>26.95</td>
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<tr>
<td>06055</td>
<td>55mm Reflection Shield</td>
<td>BECRS55</td>
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<td>06058</td>
<td>58mm Reflection Shield</td>
<td>BECRS58</td>
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<td>06062</td>
<td>62mm Reflection Shield</td>
<td>BECRS62</td>
<td>29.95</td>
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<td>06090</td>
<td>Hasselblad Reflection Shield</td>
<td>BECRSH</td>
<td>59.95</td>
</tr>
</tbody>
</table>

Subject to change without notice.

Copymate II Producer (900-50)
Plug this copy stand in, attach your camera and you’re ready to go...no set-up required.

**Item # BECM 2PQ .......... 474.95**

Copymate II Counterbalance (331-60)
This is a factory-installed option for any Copymate II model. It is a spring that allows the Copymate II carriage to hold cameras up to 8 lbs. (3.6kg).

**Item # BECBS M 2 .......... 6.95**

See additional accessories in chart on the right.

![Copymate II Column and Carriage Only](image.png)

![Copymate II Tabletop](image2.png)

![Copymate II Tabletop with Copy Lights and Sidelight Arms](image3.png)
Designed for heavy video and large format still cameras weighing up to 40 lbs. (18kg), the VP400 Copystand meets the most rigorous pro video and photo demands. A heavy walled extruded aluminum 5’ (152cm) column is mounted on its own solid support instead of on the baseboard, allowing use of even the heaviest camera. An oversized 7x10˝ (18x 26cm) mounting plate, supported by 4 machined steel shafts, provides easy centering and horizontal placement of camera lens over the baseboard. The extruded camera carriage travels with exceptional stability along the column, thanks to support provided by eight Nylatron rollers. The carriage features a rugged rack and pinion drive, Bencher’s exclusive dual brake pads, a large knurled knob for one-hand manual operation and critical focusing on motorized models. An easy-to-read column scale assures accurate carriage placement. The black finished 25x25˝ (64x64cm) steel baseboard eliminates warping, is glare resistant and includes markings for document placement.

The VP400 Copysystems feature flicker-free quartz halogen lights for both side lighting and base illumination. An exclusive reflector design within each 300w sidelight creates even illumination with consistent 3200° Kelvin color balanced illumination. Items can be placed on the VP400’s glare-resistant black steel baseboard (which eliminates warping problems associated with composition baseboards and allows the use of hold-down strips) or a 600w base illuminator that is precisely balanced to the side lights, with even illumination across the 16x16” (41x41cm) copy surface. An optional factory-installed motor drive is available for easy up-and-down movement. A remote control outlet is standard with this accessory.

### VP400 Copystand

#### VP400 Column and Carriage (500-00)
Build a system to your exact specifications using Bencher’s array of modular components and accessories. 5’ (1.52m) column comes with mounting bolts.

Item # BEVP400CC .................... 791.95

#### VP400 Column and Carriage (500-01)
Same as above, plus motor drive.

Item # BEVP400CMM ................ 1,296.95

#### VP400 Column and Carriage (500-02)
Same as model 500-00, plus motor drive and light control.

Item # BEVP400CCMLC ............... 1,429.95

#### VP400 Wall Mount Column and Carriage (500-10)
For users with limited space. Complete with steel wall brackets for attachment to wall. Copy lights and other options are available.

Item # BEVP400CCWM ................. 863.95

#### VP400 Wall Mount Column and Carriage (500-11)
Same as the 500-10, plus motor drive.

Item # BEVP400CMMWM ............. 1,349.95

#### VP400 Wall Mount Column and Carriage (500-12)
Same as 500-10, plus motor drive and light control.

Item # BEVP400CCMLW ............. 1,493.95

### VP400 Tabletop Copystand

#### VP400 Tabletop Copystand (500-20)
Full 5’ (1.52m) column permits this stand to be used easily on bench, tabletop or on the floor. Copy lights and other accessories are available.

Item # BEVP400TT ................... 1,061.95

#### VP400 Tabletop Copystand (500-21)
Same as the 500-20, plus motor drive.

Item # BEVP400MTT .................. 1,547.95

#### VP400 Tabletop Copystand (500-22)
Same as model 500-20, plus motor drive and light control.

Item # BEVP400MLCTT .............. 1,691.95

### Producer Copysystems

The Producer Copysystem is a popular all-in-one package that is ready to work as soon as your camera is attached. Includes a 5-foot column, carriage, steel baseboard, 4 sidelights, sidelight arms and sidelight control. Producer models available as desktop or floor stand models. Floor stand models feature adjustable legs, for a work surface height from 18-30˝ (46-76cm).

#### VP400 Producer Tabletop (500-50)
Ready to use out of the box. Can be used on the floor, desktop or bench.

Item # BEVP400PTT ................. 1,776.50

#### VP400 Producer Tabletop (500-51)
Same as model 500-50, plus motor drive.

Item # BEVP400PMTT ............... 2,294.95

#### VP400 Producer Tabletop (500-55)
Same as model 500-50, plus adjustable legs that allow the baseboard to be positioned 18-30˝ (46-76cm) above floor level, providing choice of comfortable camera or tabletop viewing height.

Item # BEVP400PF ................... 1,988.95

#### VP400 Producer Tabletop (500-56)
Same as model 500-55, plus motor drive.

Item # BEVP400PMF ............... 2,519.95
VP400 ILLUMMA Cопystands

The VP400 Illumma Cопystystem is the ideal unit for the flexible full service facility. A 16 x 16” (41 x 41cm) quartz halogen base illuminator, which accommodates transparencies, gels, overheads, etc., is built into the base. Base illumination is exceptionally even. A full complement of sidelights and controls are included with the Illuma. Switching from sidelight to base illumination is easy using the baseboard control panel. Hi/Low switching prevents overheating. Adjustable legs allow the work surface to be positioned 18-30” (46-76cm).

VP400 Illumma Floorstand (500-70)
A 16 x 16” (41x41cm) quartz halogen illuminator is set into the baseboard for extra versatility. The 600w illuminator is precisely balanced to the sidelights by using a quartz halogen lamp with the same 3200° Kelvin color balance. Includes adjustable legs for positioning 18-30” (46-76cm) above floor.
Item # BEVP400I .......................................................... 2,627.95

VP400 Illumma Floorstand (500-71)
Same as model 500-70, plus motor drive.
Item # BEVP400IM ....................................................... 3,049.95
Successor to the best-selling M2 Copystand series, the VP310 Copysystem is a practical tool for the pro. Offering exceptional stability, flexibility and ease of use at affordable prices, it is ideal for lighter video, medium-format and 35mm cameras. An independent support system for the column eliminates the need for the column to rest directly on the baseboard. This provides the strongest possible structure for maintaining camera stability while using as much of the baseboard area as possible. A one-piece extruded aluminum column, carriage and camera mounting plate also enhance stability. Camera height can be smoothly adjusted, thanks to specially-designed rollers, one-hand control and dual brake pads to lock the camera in any position. Floor models let you adjust height to between 18-30˝ (46-76cm) for comfortable viewing. A new steel baseboard provides glare-resistant black and eliminates warping. The surface measures 20 x 20˝ (51 x 51cm) and features document markings for placement. Illumination is precise and balanced, thanks to flicker-free quartz halogen side and base lights. Each side light uses a specially-designed reflector to evenly flood the baseboard with 3200° Kelvin illumination. Base illumination, when provided, is matched to the side lights. Light controls allow lowering light intensity while composing and focusing. This prevents overheating, extends bulb life and saves energy. Standard column height is 4’ (1.2m). A 5’ (1.5m) column is available as an option.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Item #</th>
<th>Price</th>
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<tbody>
<tr>
<td>08082</td>
<td>Copyright Safety Glass Kit, Set of 4</td>
<td>BESGS4</td>
<td>99.95</td>
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<tr>
<td>08084</td>
<td>Copyright Baffle, Set of 4</td>
<td>BECLBS4</td>
<td>89.95</td>
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<td>58090</td>
<td>Qtz Halogen Base Illuminator</td>
<td>BEBIVP400</td>
<td>1304.95</td>
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<tr>
<td>57040</td>
<td>Copy Mask Set</td>
<td>BECONSVP400</td>
<td>188.95</td>
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<tr>
<td>57042</td>
<td>Book/Copy Holdown</td>
<td>BEBOHDVP400</td>
<td>179.95</td>
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<tr>
<td>57060</td>
<td>Slide Duplicator</td>
<td>BESVDP400</td>
<td>107.95</td>
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<td>57000</td>
<td>Wall Mounting Bracket Set</td>
<td>BEBSWVP400</td>
<td>73.95</td>
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<tr>
<td>06020</td>
<td>Camera Quick Release</td>
<td>BEQQRO</td>
<td>36.95</td>
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<tr>
<td>58000</td>
<td>Sidelight Arm Set of 2</td>
<td>BELSASVP400</td>
<td>206.95</td>
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<tr>
<td>58008</td>
<td>Swivel Light Arm Set of 2</td>
<td>BELSASVP400Q</td>
<td>74.95</td>
</tr>
</tbody>
</table>

Subject to change without notice

VP310 Copystands

VP301 Column and Carriage (600-00)
For special applications or limited space. Mount this column/carriage on the work surface of your choice.
Item # BEVP310CC .................................................................339.95

VP301 Column and Carriage with 5’ Column (600-03)
Same as model 600-00, but with a 5’ (1.5m) high column.
Item # BEVP310CC5 ..............................................................377.95

VP301 Wall Mount Column and Carriage (600-10)
Complete with wall mounting material.
Item # BEVP310CCWM ............................................................422.95

VP301 Wall Mount Column and Carriage with 5’ Column (600-13)
Wall mount unit with 5’ (1.5m) column.
Item # BEVP310CCWM5 ............................................................449.95

VP301 Tabletop and Floor Producers

VP301 Tabletop Producer (600-50)
Complete and ready to go. Features include 4’ (1.2m) extruded column, carriage, steel baseboard, 4 sidelights, sidelight support arms, sidelight control. Sidelight control adjusts light intensity. Manual and motorized models available. Floor stand features adjustable legs.
Item # BEVP310PTT ..............................................................1,199.95

VP301 Tabletop Producer with 5’ (1.5m) Column (600-52)
Same as above, but with 5’ (1.5m) column.
Item # BEVP310PTT5 ............................................................1,439.95

VP301 Floor Producer (600-55)
Same as model 600-50, plus adjustable legs for comfortable working height when placed on the floor.
Item # BEVP310PFF ..............................................................1,637.95

VP301 Floor Producer with 5’ Column (600-57)
Same as above, but with 5’ (1.5m) column.
Item # BEVP310PFF5 ............................................................1,664.95

Corporate Accounts Are Welcome
**VP310 Tabletop Copystands**

**VP310 Tabletop Copystand (600-20)**
Basic tabletop configuration includes camera carriage, extruded column and steel baseboard. Lights and other accessories are purchased separately and can be configured to meet user's exact requirements.

Item # BEVP310TT ....... 474.95

**VP310 Tabletop Copystand with 5’ Column (600-23)**
Same as the VP310 Tabletop Copystand, with a 5’ (1.5m) column.
Item # BEVP310TT5 ...... 643.95

---

**VP310 Floor Illuma**

**VP310 Floor Illuma (600-70)**
Designed for full-service copy facilities where flexibility and dependability are critical. The standard 4’ extruded aluminum column is mounted to a 20x20” (51x51cm) welded steel base instead of a laminate baseboard. A 12x12” (30x30cm) quartz halogen base illuminator is built into the base for copying evenly illuminated transparencies, overheads, gels and more. A full complement of sidelights and controls complement the VP310 Illuma: Sidelight variable power controls, sidelight/base illumination switches and high-low switching control light output and direction. Adjustable legs allow the Illuma baseboard working area to be positioned 18-30” (46x76cm) above the floor for a comfortable working height.

Item # BEVP310IF................................................................. 2,141.95

**VP310 Floor Illuma with 5’ (1.5m) Column (600-72)**
Same as the 600-70, but with 5’ (1.5m) column.
Item # BEVP310IF5........................................................... 2,168.95

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### VP310 Copystand Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Item#</th>
<th>Column Ht.</th>
<th>Baseboard</th>
<th>Overall Dimensions</th>
<th>Weight.</th>
</tr>
</thead>
<tbody>
<tr>
<td>600-00</td>
<td>VP310 Column and Carriage</td>
<td>BEVP310CC</td>
<td>4’ (1.2m)</td>
<td>none</td>
<td>15 x 8 x 48” (38 x 20 x 122cm) W.D.H.</td>
<td>24 lbs. (10.9kg)</td>
</tr>
<tr>
<td>600-03</td>
<td>VP310 5’ Column and Carriage</td>
<td>BEVP310CC5</td>
<td>5’ (1.5m)</td>
<td>none</td>
<td>15 x 8 x 60” (38 x 20 x 152cm) W.D.H.</td>
<td>29 lbs. (13.2kg)</td>
</tr>
<tr>
<td>600-10</td>
<td>VP310 Wall Mount Column and Carriage</td>
<td>BEVP310CWM</td>
<td>4’ (1.2m)</td>
<td>none</td>
<td>15 x 8 x 57” (38 x 20 x 145cm) W.D.H.</td>
<td>32 lbs. (14.5kg)</td>
</tr>
<tr>
<td>600-12</td>
<td>VP310 5’ Wall Mount Column and Carriage</td>
<td>BEVP310CWM5</td>
<td>5’ (1.5m)</td>
<td>none</td>
<td>15 x 8 x 69” (38 x 20 x 175cm) W.D.H.</td>
<td>37 lbs. (16.8kg)</td>
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<tr>
<td>600-20</td>
<td>VP310 Tabletop Copystand</td>
<td>BEVP310TT</td>
<td>4’ (1.2m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>20 x 31 x 49” (51 x 79 x 124cm) W.D.H.</td>
<td>52 lbs. (23.6kg)</td>
</tr>
<tr>
<td>600-23</td>
<td>VP310 5’ Tabletop Copystand</td>
<td>BEVP310TT5</td>
<td>5’ (1.5m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>20 x 31 x 61” (51 x 79 x 155cm) W.D.H.</td>
<td>57 lbs. (25.9kg)</td>
</tr>
<tr>
<td>600-50</td>
<td>VP310 Tabletop Producer</td>
<td>BEVP310PTT</td>
<td>4’ (1.2m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>52 x 46 x 49” (132 x 117cm) W.D.H.</td>
<td>74 lbs. (33.6kg)</td>
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<td>600-52</td>
<td>VP310 5’ Tabletop Producer</td>
<td>BEVP310PTT5</td>
<td>5’ (1.5m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>52 x 36 x 61” (132 x 91 x 124cm) W.D.H.</td>
<td>79 lbs. (35.8kg)</td>
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<td>600-55</td>
<td>VP310 Floor Producer</td>
<td>BEVP310PF</td>
<td>4’ (1.2m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>52 x 36 x 75” (132 x 91 x 191cm) W.D.H.</td>
<td>113 lbs. (51.3kg)</td>
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<tr>
<td>600-57</td>
<td>VP310 5’ Floor Producer</td>
<td>BEVP310PF5</td>
<td>5’ (1.5m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>52 x 36 x 87” (132 x 91 x 221cm) W.D.H.</td>
<td>118 lbs. (53.5kg)</td>
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<tr>
<td>600-70</td>
<td>VP310 Floor Illuma</td>
<td>BEVP310IF</td>
<td>4’ (1.2m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>52 x 36 x 75” (132 x 91 x 191cm) W.D.H.</td>
<td>131 lbs. (59.4kg)</td>
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<tr>
<td>600-72</td>
<td>VP310 5’ Floor Illuma</td>
<td>BEVP310IF5</td>
<td>5’ (1.5m)</td>
<td>20x20” (51x51cm) W.D.</td>
<td>52 x 36 x 87” (132 x 91 x 221cm) W.D.H.</td>
<td>136 lbs. (61.7kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice
Sidelight Arm Sets

CM2 Sidelight Arm Set (980-00)
These sidelight arms can be mounted at the rear of the baseboard. Originals can be positioned without interference from the sidelight arms. Weighs 8 lbs. (3.6kg).
Item # BESLASC ...............73.95

Quad Quartz Halogen Copylight Set (080-14)
This package consists of the Master and Auxiliary Quartz Halogen Copylight Sets. Makes a complete 4-light system, providing extremely even coverage over the entire baseboard. Electrical Capacity: 120V 10.0A 50/60Hz. 4 per package. Weighs 11 lbs (5kg).
Item # BECLQQS ..................431.95

CM2 Quartz Halogen Copylights
with Arms (980-10)
The Quartz Halogen Copylight system comes complete with copy lights and sidelight arms which can be mounted at the rear of the baseboard. Originals can be positioned without interference from sidelight arms. Lights feature Bencher’s unique reflector design for even illumination. 2 per package. Weighs 11 lbs (5kg).
Item # BECLQAS ..................278.95

Master Quartz Halogen Copylight Set (980-10)
These are designed to be the main light source when only one copy light per side is needed. Each light attaches directly to the sidelight or swivel sidelight arms. Includes an electrical socket to power the Auxiliary Quartz Halogen Copylight when 4 lights are needed. 2 per package. Electrical Capacity: 120VAC 5.0A 50/60Hz. Weighs 6 lbs. (2.7kg).
Item # BECLQMS ..................215.95

Copyright Controls

CM2 Copylight Control (980-70)
Electrical Capacity of 120VAC 5A 60Hz. Weighs just 3 lbs (1.4kg).
Item # BECLCCM2 ..............98.95

CP310 Copylight Control (680-70)
Electrical Capacity of 120VAC 10A 50/60 Hz. Weighs just 10 lbs. (4.5kg).
Item # BECLCP310 ..........269.95

Copylight Baffles

Master Quartz Halogen Baffle (880-83)
2 per order. Weighs just 2 lbs. (.9kg)
Item # BECLBS2 ..............49.95

Quad Quartz Halogen Baffle (880-84)
4 per order. Weighs just 3 lbs. (1.4kg)
Item # BECLBS4 ..............89.95

120v/250w Quartz Halogen Lamp (135-31)
4 per package.
120v/300w Halogen Lamp (050-04)
4 per package.

Halogen Lamps & Incandescent Bulbs

120v/250w Quartz Halogen Lamp (135-31)
4 per package.
120v/300w Halogen Lamp (050-04)
4 per package.

Wall Mounting Brackets

Wall Mounting Bracket Set for VP310 (670-00)
The set of two steel Wall Mounting Brackets attaches directly to a wall and accommodates VP310 Column and Carriage assembly (including Motor Drives). May be mounted at any height, as needed. Weighs 8 lbs (3.6kg).
Item # BEBSWMP310 .......84.95

Quad Quartz Halogen Lamp
Each light attaches directly to the sidelight or swivel sidelight arms. Includes an electrical socket to power the Auxiliary Quartz Halogen Copylight when 4 lights are needed. 2 per package. Electrical Capacity: 120VAC 5.0A 50/60Hz. Weighs 6 lbs. (2.7kg).
Item # BECLQAS ..............215.95

Library Lamp (680-50)
Includes an electrical socket to power a 120v/250w Quartz Halogen Lamp. Includes Lamp and Baffle. Weighs 2 lbs (0.9kg).
Item # BECLBPMB .............89.95

120v/300w Halogen Lamp (050-04)
2 per package.

Copylight Controls

120v/250w Quartz Halogen Lamp (135-31)
4 per package.
120v/300w Halogen Lamp (050-04)
4 per package.

120v/600w Quartz Halogen Lamp (135-30)
Two per package.
120v/600w Quartz Lamp Set (080-10)
Two per package.

120v/250w Incand. Bulb (135-32)
2 per package.
120v/250w Halogen Lamp (050-04)
2 per package.

Most Orders Shipped Within 24 Hours
Polarizing Filter Sets

Polarizing Filter Set for Master Quartz (080-87)  Weighs 3 lbs. (1.4kg)  Item # BEMP5S ................................................................. 56.50

Polarizing Filter Set for VP400 Quad Copy (080-89)  Weighs 10 lbs. (4.5kg)  Item # BEPQSVP400 ................................................................. 242.95

Quad Light Polarizing Filter Set for VP310 (080-89)  Weighs 10 lbs. (4.5kg)  Item # BEFPSQVP310 ................................................................. 242.95

Polarizing Filter Set for Master Quartz Light (080-82)  Weighs 1 lb. (0.45kg)  Item # BEPRMS ................................................................. 57.95

Polarizing Filter Set for Quad Copylight (080-80)  Weighs 1 lb. (0.45kg)  Item # BEPRQS ................................................................. 116.95

VP310 Quartz Halogen Base Illuminator (080-90)  A 14x17” (36x43cm) base illuminator features a quartz halogen light, set into the baseboard. A 600w illuminator with a 3200° Kelvin temperature is used. This single light source design is unique to Bench and has two levels of intensity. A concealed whisper fan assures cool surface temperature. Baseboard net working area: 26x19” (66x48cm). Weighs 94 lbs. (42.6kg). Item # BEBIVP310 ......................................................... 1214.95

VP400 Quartz Halogen Base Illuminator (080-90)  Adjustable legs permit positioning from 18-30” (46-76cm) above the floor. A 16x16” (41x41cm) base illuminator with a quartz halogen light is set into the baseboard. A 600w illuminator with a 3200° Kelvin is used. This single light source has two levels of intensity. A concealed whisper fan assures cool surface temperature. Baseboard net working area: 25x25” (64x64cm). Overall Dimensions: 25x25x30” (64x64x76cm) W.D.H. Weight: 106 lbs. (48kg). Item # BEBIVP400 ......................................................... 1304.95

CM2 Book/Copy Holddown (337-28)  A special easel designed to hold books open for photography or A/V use. This device protects valuable books by putting only the weight of the sheet against the pages and binding. Foam rubber blocks support the thinner open side of the book, gently holding the pages against the glass. The book holder clamps to the baseboard. Glass working area: 16 x 13.5” (41 x 34cm) W.D. Accepts materials to 3.5˝ (9cm) thick. Foam blocks support the thinner open side of the book. Weighs 10 lbs. (4.5kg). Item # BEBHDCM2 ................................................................. 206.95

Book/Copy Holddown for VP400 (570-42)  When books, charts, graphs or pictures are regularly photographed, this accessory is very helpful. The Book/Copy holddown quickly attaches to the baseboard. A hinged heavy plate glass that holds subject material up to 3.5” (9cm) thick. Foam blocks support the thinner open side of the book. Glass working area: 18 x 15.5” (46 x 39cm) W.D. Weighs 15 lbs. (6.8kg). Item # BEBCHDV400 ................................................................. 179.95

Book/Copy Holddown for VP310 (57042)  When book, charts, graphs or pictures are regularly photographed, this accessory is very helpful. The Book/Copy holddown quickly attaches to the baseboard. It features a hinged heavy plate glass that holds subject material up to 3.5” (9cm) thick. Foam blocks support the thinner open side of the book. Weighs 15 lbs. (6.8kg). Item # BEBCHDV310 ................................................................. 179.95

Quartz Halogen Copylight Safety Glass Kits

Quartz Halogen Copylight Safety Glass Kit (080-83)  2 per order. Weighs 1 lb. (0.45kg)  Item # BESGS2 ................................................................. 54.95

Quartz Halogen Copylight Safety Glass Kit (080-82)  4 per order. Weighs 2 lbs. (0.9kg)  Item # BESGS4 ................................................................. 99.95

Quartz Halogen Copylight Safety Glass (080-90)  Replacement. Item # BEG ................................................................. 37.95
BENCHER ACCESSORIES

VP400 Sidelight Arm, Set of 2 (580-00)
Smooth adjustment of master or quad copy lights to the baseboard. Copy lights pivot through 90° arc with built-in indexing for 45° setting. Sidelights mount to an adjustable horizontal light arm that allows light to be adjusted for baseboard distance. Weighs 9 lbs. (4kg).
Item # BESLASVP400 ........................................ 206.95

CM Column Scale (337-50)
Weighs 1 lb. (4.5kg).
Item # BECSM2 .................................................. 17.95

CM2 Column Scale (337-50)
Weighs 1 lb. (4.5kg).
Item # BECSM2 .................................................. 17.95

Copy Mask Set for VP400 (570-40)
Five black anodized aluminum masks, sized 11x14", 10x12", 8x10", 5x7" and 4x5", are designed to be set into the aperture of the base illuminator or movable copy stage. Use when copying transparencies, radiographs and other backlit subjects to reduce flare. Weighs 6 lbs. (2.7kg).
Item # BECMSVP400 ........................................... 188.95

VP400 Copystand Floor Base (570-10)
Features adjustable legs for comfortable viewing position. Finished in black, this unit offers easy attachment to the 25x25" (64x64cm) baseboard. Elevation range: 18-30" (46-76cm). Baseboard: 25x25" (64x64cm). Weighs 57 lbs. (25.9kg).
Item # BEFBVP400 ............................................. 359.95

BENCHER/RAYNOX

Copy Mask Set for VP400 (570-40)
Five black anodized aluminum masks, sized 11x14", 10x12", 8x10", 5x7" and 4x5", are designed to be set into the aperture of the base illuminator or movable copy stage. Use when copying transparencies, radiographs and other backlit subjects to reduce flare. Weighs 6 lbs. (2.7kg).
Item # BECMSVP400 ........................................... 188.95

Macro Explorer (CM-2000)
With universal 52-67mm adapters. 2 precision macro lenses (1.5x, 2.5x) converts your 35mm format (50-300mm) or medium format (80-180mm) lens into one with macro capability.
Item # RACM2000 ............................................ 79.95

Micro Explorer (CM-3500)
3 micro lenses (6x, 12x, 24x) convert your 35mm format (135-300mm) or medium format (80-180mm) lens into one with macro or more powerful micro capabilities. Provides crisp images.
Item # RACM3500 ............................................ 99.95

When copying flat glossy subjects or material under glass, the camera will see its own reflected image. The black aluminum Camera Reflector Shield eliminates this problem. Attach it to the front of the lens via an accessory ring, and the camera is hidden.

CM2 Column Scale (337-50)
Weighs 1 lb. (4.5kg).
Item # BECSM2 .................................................. 17.95

Copy Mask Set for VP400 (570-40)
Five black anodized aluminum masks, sized 11x14", 10x12", 8x10", 5x7" and 4x5", are designed to be set into the aperture of the base illuminator or movable copy stage. Use when copying transparencies, radiographs and other backlit subjects to reduce flare. Weighs 6 lbs. (2.7kg).
Item # BECMSVP400 ........................................... 188.95

VP400 Copystand Floor Base (570-10)
Features adjustable legs for comfortable viewing position. Finished in black, this unit offers easy attachment to the 25x25" (64x64cm) baseboard. Elevation range: 18-30" (46-76cm). Baseboard: 25x25" (64x64cm). Weighs 57 lbs. (25.9kg).
Item # BEFBVP400 ............................................. 359.95

BENCHER ACCESSORIES

Camera Reflection Shields

When copying flat glossy subjects or material under glass, the camera will see its own reflected image. The black aluminum Camera Reflector Shield eliminates this problem. Attach it to the front of the lens via an accessory ring, and the camera is hidden.

49mm Camera Reflection Shield (060-49)
Item # BECRS49 .............................................. 26.95

52mm Camera Reflection Shield (060-52)
Item # BECRS52 .............................................. 26.95

55mm Camera Reflection Shield (060-55)
Item # BECRS55 .............................................. 26.95

58mm Camera Reflection Shield (060-58)
Item # BECRS58 .............................................. 26.95

8-15 lb. (3.6-6.8kg) Counterbalance Spring (690-00)
Factory installed.
Item # BECBFI .............................................. 25.95

8-15 lb. (3.6-6.8kg) Counterbalance Spring (690-70)
User installed.
Item # BECB ................................................... 38.95

8-15 lb. (3.6-6.8kg) Counterbalance Spring (650-00)
Factory installed.
Item # BECBFI .............................................. 25.95

8-15 lb. (3.6-6.8kg) Counterbalance Spring (690-70)
User installed.
Item # BECB ................................................... 38.95

Slide Duplicators

Slide Duplicator for VP400 (570-60)
This slide duplicator offers a convenient way to copy 35mm slides when used in conjunction with the VP400 quartz base illuminator. The duplicator utilizes the available transmission light source and includes a filter drawer for adding gel filters for special effects or color temperature correction, when needed. A positioning stop offers additional convenience when copying multiple slides. Weighs 7 lbs. (3.2kg).
Item # BESDVP400 ............................................. 107.95

Slide Duplicator for VP310 (670-60)
Same as above, but for the VP310.
Item # BESDVP310 ............................................. 99.95

CM2 Column Scale (337-50)
Weighs 1 lb. (4.5kg).
Item # BECSM2 .................................................. 17.95

CM2 Column Scale (337-50)
Weighs 1 lb. (4.5kg).
Item # BECSM2 .................................................. 17.95

Macro Explorer (CM-2000)
With universal 52-67mm adapters. 2 precision macro lenses (1.5x, 2.5x) converts your 35mm format (50-300mm) or medium format (80-180mm) lens into one with macro capability.
Item # RACM2000 ............................................ 79.95

Micro Explorer (CM-3500)
3 micro lenses (6x, 12x, 24x) convert your 35mm format (135-300mm) or medium format (80-180mm) lens into one with macro or more powerful micro capabilities. Provides crisp images.
Item # RACM3500 ............................................ 99.95

Macro photography captures objects in frame-filling close-up. Micro photography employs extreme magnifications to capture details too small to be adequately perceived by the unaided eye. Both produce photos of incredible drama and breathtaking intimacy. The Raynox Micro Explorer lens set provides an inexpensive and easy way to discover this fascinating world.

Macro Explorer (CM-2000)

Macro Explorer (CM-2000)

Macro Explorer (CM-2000)

Macro Explorer (CM-2000)

Macro Explorer (CM-2000)

Equipment Leasing Available

RAYNOX

Macro Explorer (CM-2000)

Macro Explorer (CM-2000)

Macro Explorer (CM-2000)

Macro Explorer (CM-2000)
Beseler's Dual-Mode Slide Dupicators incorporate both a quartz-halogen continuous light source and a built-in electronic flash. Ideal for producing duplicates, inter-negatives, inter-positives, title slides and special effects. Both models feature fade-free, continuously variable Dichroic color filtration. The deluxe model offers increased flash power and voltage stabilization for slide production at increased speeds. The fast-recycling flash can be calibrated to match the quartz-halogen light's output, allowing TTL metering and exposure control with either mode. Variable contrast control allows dial-in contrast control and a continuously variable Dichroic color filtration control that can change the YMC balance from 0-200 units. Flash output is related to the output of the continuous light source, making through-the-lens metering possible in both modes. Accepts up to 6x7cm formats directly onto the calibrated film stage. An accessory 4x5" Diffusion Illumination Chamber expands the format capabilities. Special effect compounds and other image enhancing accessories from many photographic, graphics arts and AV sources. Both duplicators include a mounted slide carrier, 35mm strip carrier, magnification slide kit, MacBeth color checker slide, flash sync cord, quartz halogen lamp and flashtube. Optional extended warranties are available.

### Dual Mode Slide Dupicators

<table>
<thead>
<tr>
<th>Model</th>
<th>Standard Dual Mode Slide Duplicator (4106)</th>
<th>Deluxe Dual Mode Slide Duplicator (4102)</th>
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<td><strong>Electrical Requirements</strong></td>
<td>Cat #4106 120v 50/60Hz, 3a</td>
<td>Cat #4102 120v 50/60Hz, 3a; Cat #4103 240v 50/60Hz, 3a</td>
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<td><strong>Dual Illumination System</strong></td>
<td>Continuous LightSource 82v, 250ws Qtz Hal (8108); Electronic Flash 50ws Power Supply; Color Balanced Xenon (4108)</td>
<td>Continuous LightSource 82v, 250ws Qtz Hal (8108); Electronic Flash 150ws Power Supply; Color Balanced Xenon (4108)</td>
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<td><strong>Internal Components</strong></td>
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<td>Solid State, Voltage Stabilized Qtz Halogen ± 10%</td>
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<td><strong>Cooling System</strong></td>
<td>Self-Contained, Centrifugal Type Blower</td>
<td>Self-Contained, Centrifugal Type Blower</td>
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<td><strong>Motor Drive Outlet</strong></td>
<td>.125˝ (3.5mm-25cm) Mini Phone Socket</td>
<td>.125˝ (3.5mm-25cm) Mini Phone Socket</td>
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<td><strong>Type of Filtration</strong></td>
<td>Dichroic Interference</td>
<td>Dichroic Interference</td>
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<td><strong>Mixing Chamber</strong></td>
<td>Incorporates IR and UV Filtration</td>
<td>Incorporates IR and UV Filtration</td>
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<td><strong>Film Sizes</strong></td>
<td>6x7cm and Smaller, 4x5&quot; and Smaller with Optional Diffusion Illumination Chamber (4112)</td>
<td>6x7cm and Smaller, 4x5&quot; and Smaller with Optional Diffusion Illumination Chamber (4112)</td>
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<tr>
<td><strong>Variable Contrast Controller</strong></td>
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<td>11 Steps of Contrast Control</td>
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<tr>
<td><strong>Auxiliary Filtration</strong></td>
<td>Accepts Filters, Gels, Screens, etc. Up to 3.5&quot; (89mm) sq.</td>
<td>Accepts Filters, Gels, Screens, etc. Up to 3.5&quot; (89mm) sq.</td>
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<tr>
<td><strong>Universal Camera Mount</strong></td>
<td>Accepts Medium Format, Video, 35mm</td>
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<td><strong>Overall Dimensions</strong></td>
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<td>13x17.5x31&quot; (33x45x79cm) WDH</td>
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<td><strong>Subject to change without notice</strong></td>
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PHOTO - VIDEO - PRO AUDIO
Dual Mode Slide Duplicate System Accessories

<table>
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<tr>
<th>Item #</th>
<th>Description</th>
<th>Price</th>
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<td>BEC35M SSD</td>
<td>Mounted Slide 2x2˝ Carrier (6746)</td>
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<td>BESC</td>
<td>35mm Film Carrier (6737)</td>
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<td>BESC35D</td>
<td>Flash-Sync Cord (4123)</td>
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<td>82v/250W Quartz Halogen Wiko Lamp</td>
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<td>BEFSD</td>
<td>35mm Slide-Magnification Slide Kit (4125)</td>
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<td>BECTSD</td>
<td>35mm Slide-Macbeth Color Checker (4126)</td>
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<td>BETM39</td>
<td>Lens T-Mount 39mm Thread (1680)</td>
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<td>Camera T-Mount Minolta (4153)</td>
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<td>35mm Film Carrier 2x2˝ Carrier (6746)</td>
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Copystand Systems

Beseler has applied the high-performance, rugged engineering designs that has made them famous in the darkroom to its family of copystands. Three models are provided, offering the ideal selection and combination of accessories for almost any production requirement. The CS-14, CS-20 and CS-24 handle 14˝, 20˝ and 24˝ (36, 51 and 61cm) copy, respectively. The models accept a wide range of camera systems. Options, like the CLA copylight arms, give the user a choice of lighting. Four lights can be mounted onto the universal 3⁄8" studs, which are positioned for the best illumination control. Additional calibrations and controls are available to enhance operation and output.

All models feature a uniquely adjustable camera platform which facilitates the precise alignment of the optical axis of the camera over the exact center of the baseboard. An abundance of positioning grids on the 18% grey baseboard aids in alignment. Magnetic holddown bars locate the copy and keep it flat and in place. Accessory CLA Copylight Arms with industrial grid and magnetic copy hold-down bars, and a unique, adjustable camera platform that accepts any camera up to 5 lbs (2.3kg). The camera moves on a single straight vertical column, aided by a constant force, counter-balanced elevation system. The turn of a knob locks the camera in position at the desired height. Accepts copy up to 14x14˝ (36x36cm)

Item # BECS14 ........................................................................... 189.00
Dual Mode Slide Duplicate System Accessories, continued

**R-80 8” (20cm) Reflectors for Copylights/Photofloods (423701)**
The R-80 8” (20cm) Reflector for Copylights and Photofloods is constructed of anodized aluminum. This reflector offers 100° coverage. Weighs 1.5 lbs. (0.7kg).
Item # BER8CL.............................................................................\$14.50

**R-100 10” (25cm) Reflectors for Copylights/Photofloods (423601)**
The R-100 10” (25cm) Reflector for Copylights and Photofloods is constructed of anodized aluminum. This reflector offers 50° coverage. Weighs 1.5 lbs. (0.7kg).
Item # BER10CL............................................................................\$14.50

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**CS-14 Kit (4205)**
The Beseler CS-14 Kit includes a CS-14 Copystand (see model #4200, on the previous page), CLA Arms, CL-600 Copylights and R-50 Reflector.
Item # BECS14K .............................................................................\$378.50

**CS-21 Copystand (4211)**
The CS-21 Copystand takes advantage of the same rigid twin E-channel center-braced column design in the popular 45V-XL enlarger chassis. A rack and pinion elevation system positions the camera where it can be easily locked into position. Front-to-back and left-to-right adjustments are easily made using the camera platform bracket. In addition to all of the features offered by the CS-14, the CS-21 can accommodate copy up to 20x20” (51x51cm) and handles cameras up to 10 lbs. (4.5kg).
Item # BECS21 .............................................................................\$349.00

**CS-21 Kit**
The Beseler CS-21 Kit includes a CS-21 Copystand (see model #4211, above), CLA Arms, CL-600 Copylights and R-50 Reflector.
Item # BECS21K .............................................................................\$539.95

**CLA Copylight Arms (4212)**
For CS14, CS20 and CS 24 Copystands, supplied with four positionable universal light mounting brackets with 3/8” mounting studs for lights supplied by user. Weighs 12 lbs. (5.4kg).
Item # BECLA .............................................................................\$99.00

**CL-600 Copylights (4230)**
Economical and convenient, Beseler CL-600 copylights are ready-to-use tungsten lamps that provide illumination for all copy work needs. Can be used with standard reflector lamps up to 600 watts. Two lights per package. Weighs 3 lbs. (1.4kg).
Item # BECL600 .............................................................................\$89.00

**R-50 5” (12cm) Reflectors for Copylights/Photofloods (423501)**
Anodized aluminum 5” (13cm) reflector with 60° coverage. Weighs 1 lb. (0.5kg).
Item # BER5CL .............................................................................\$12.50

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### COPYSTAND (TOTAL SYSTEM) SPECIFICATIONS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CS-14</th>
<th>CS-20</th>
<th>CS-21</th>
<th>CS-24</th>
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<tbody>
<tr>
<td>Item #</td>
<td>BECS13</td>
<td>BECS20</td>
<td>BECS21</td>
<td>BECS24</td>
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<tr>
<td>Column Height</td>
<td>32.5” (83cm)</td>
<td>48.3” (123cm)</td>
<td>45.5” (116cm)</td>
<td>48.5” (123cm)</td>
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<tr>
<td>Baseboard (WD)</td>
<td>16x19.8” (40.5x50cm)</td>
<td>22x28” (56x72cm)</td>
<td>22x28” (56x72cm)</td>
<td>26x37” (65x93cm)</td>
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<tr>
<td>Overall Dimensions (WDH)</td>
<td>16x19.8x32.3” (40.5x50x82cm)</td>
<td>23x46x57” (58x112x135cm)</td>
<td>23x46x57” (58x112x135cm)</td>
<td>20x49x12” (66x125x30cm)</td>
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<tr>
<td>Weight</td>
<td>27 lbs. (12kg)</td>
<td>43 lbs. (19kg)</td>
<td>62 lbs. (28kg)</td>
<td>93 lbs. (42kg)</td>
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</tbody>
</table>

Subject to change without notice
For photographers who are seeking solidly-built, full-featured copystands, Bogen offers a full line of versatile, precision-made items. Available in configurations to meet every copy need, the Repro line can accommodate still and video cameras in all formats and weights.

For rock-solid performance, see the System 750 lineup, which is built for steady, heavy-use performance for the busiest copy studio. Photographers with budgetary constraints or low traffic copy work may want to consider the TC2 or Mini Repro. No matter what your needs, however, there is a Bogen copystand that is right for you.

**ST-5 Copystand & L-6 Light Assembly**

**Bogen ST-5** (1890)
The ST-5 is a compact stand that is easy to use and has excellent features, including vibration-free camera support. A friction-elevating drive on the right side lets you raise and lower the camera with your right hand while you keep the copy in focus with the left. This is an excellent choice for close-up, photomacrography and similar applications. Use with L-6 Light Assembly (1893).

Column Height: 28" (71cm). Max. Height: 28" (71cm). Min. Height: 10.5" (27cm). Base: 14.5-17.5" (37-45) W.D. Weight: 14 lbs. (6.4kg).

Item # BO1890 .......................................................... 119.95

**L-6 Light Assembly** (1893)
The companion unit for the ST-5, the L-6 consists of two swivel-socket lamp holders mounted on pivoting arms and adjustable over a 90° range for flat and three-dimensional lighting of originals on the baseboard. The lamp holders accept standard reflector floodlight bulbs (not included) up to 150 watts. 150R/FL (ANSI:DWC) lamps are suggested. They provide even beam coverage, draw less current and are cooler than photofloods.

Weight: 3 lbs. (1.5kg).

Item # BO1893 .......................................................... 74.95

**ST-5 with L-6 Light Assembly** (1894)
Max. Height: 26" (66cm). Min. Height: 10.5" (27cm). Column Height: 28" (71cm). Base: 14.5x17.5" (37x44cm) W.D. Weight: 14 lbs. (6.4kg).

Item # BO1894 .......................................................... 179.90

**TC-2 General-Use Copystand**

**Bogen TC-2** (1882)
Excellent general-use copystand with features to help you fine-tune a camera’s position. Graduated rule column and rotating friction drive allow fine adjustments; a locking knob holds the camera firmly in place. Removable, adjustable alignment guide on the camera arm offers precise leveling control of small format cameras when parallel planes are important. An adjustable double counter-balanced spring makes working with 4x5" view or press cameras as easy as working with a 35mm model. The unit offers one setting for cameras up to 6 lbs., another for cameras up to 12 lbs. (5.4kg).

Camera arm length is variable to permit centering of a wide variety of cameras over the neutral grey baseboard. Column height is 43.3" (110cm). Max. height is 5.8" (15cm). Min. height is 5.8" (15cm). Camera arm adjustment is 7.8-11" (20 x 28cm). Base is 20x27" (51 x 69cm) W.D. Weight 32 lbs. (14.5kg).

Item # BO1882 .......................................................... 309.95

**Bogen TC-2** (1885)
Same as model #1882 but with optional T-2 Copy Light (model #1883; see Lighting Accessories). Weight 37 lbs (16.7kg).

Item # BO1885 .......................................................... 444.90

**Mini Repro Copystands**

**Mini Repro** (1700)
This easy-to-use, economical copystand is suitable for video and still cameras up to medium format and is ideally suited for macro photography and day-to-day copy work. The Mini Repro features a ruled black anodized column that is geared for precise camera positioning. Grid marks on the baseboard help you position and align the original artwork. Column height is 27.5" (70cm). Base is 15.5 x 16.5" (35 x 42cm) W.D. Weight is 15 lbs. (6.7kg).

Item # BO1700 .......................................................... 144.95

**Mini Repro** (1704)
Same as model #1700 but with 4-light Assembly. Weight: 20 lbs. (9kg)

Item # BO1704 .......................................................... 219.90

Members of PPA, ASMP, PSA, NPPA and NANPA
Repro Copystands

Repro (1710)
The Repro features a sturdy geared and ruled column that is suitable for both still and video cameras and can be rotated to copy artwork that is larger than the baseboard. Horizontal camera arm length is adjustable in four equal increments and has attachments for both still and video cameras. Maximum Height: 41” (104cm). Column Height: 46” (117cm). Minimum Height: 7.5” (19cm). Camera Arm Position from Column: 4-12” (10x30cm). Base: 24x27 D.W. (61x69cm). Weight: 40 lbs. (76kg).
Item #BO1710 ...............................................................339.95

Repro (1711)
Repro column only, without baseboard. Weight: 16 lbs (7kg).
Item #BO1711 ...............................................................287.95

Repro (1713)
Same features as model #1710 but with 30x36” (76x91cm) baseboard. Weight: 57 lbs. (26kg).
Item #BO1713 ...............................................................354.95

Super-Repro Copystands

Super-Repro (1720)
The Super Repro offers the same impressive range of features as the Maxi-Repro, but with a 42” column. Overall Height: 47.5” (121cm) Max. Elevation: 38” (97cm). M in. Elevation: 7.5” (19cm) Camera Arm Adjustment from Column: 3-19” (7x48cm). Base: 24x27” (69x69cm). 50 lbs. (23kg).
Item #BO1720 ...............................................................529.95

Super Repro (1721)
Column only (does not include baseboard). Weight: 26 lbs. (12kg).
Item #BO1721 ...............................................................489.95

Super Repro (1723)
Same as the Super Repro (1720), but with 30 x 36” (76x91cm) baseboard. Weighs 67 lbs. (30kg).
Item #BO1723 ...............................................................544.95

Maxi-Repro Copystands

Maxi-Repro (1730)
This solidly-built copystand offers an outstanding list of features, including: a counter-balanced, ruled and geared column; a camera arm that is geared for precise front to back centering and a camera leveling guide built into the camera platform. A geared accessory arm offers side-to-side movement, a feature that lets you create animation effects similar to those done on more expensive animation stands. Overall Height: 57.5” (146cm). Max. Height: 48” (127cm). M in. Height: 7.5” (19cm). Camera Arm Adjustment from Column: 3-19” (7x48cm). Base: 30x36” (76x91cm). Weight: 67 lbs. (30kg).
Item #BO1730 ...............................................................549.95

Maxi-Repro Column (1731)
Column only, no baseboard. Height: 57.5” (146cm). Weight: 26 lbs (12kg).
Item #BO1731 ...............................................................494.95

Maxi-Repro Copystand with Table (1738)
A table and light box is added to the Maxi Repro #1730. It weighs 117 lbs. (53kg).
Item #BO1738 ...............................................................1309.95
## System 750 Copystands

**System 750 (1740)**
A motorized copystand for professional reproduction of transparencies and reflective originals, this stand is for both photo and video applications. The column is mounted on a rock-solid 31.5 x 27.5” (80 x 70cm) table with a magnetic baseboard. The ball-bearing horizontal support arm mount, which can be adjusted for the optimum optical center, will accommodate any camera up to 8x10 format, or any video camera that weighs up to 44 lbs. (19.9kg) The camera is raised and lowered via a variable-speed motor drive. Lights, light boxes, barndoors and hinged glass accessories are available for this state-of-the-art stand. Maximum height is 82.8” (210cm), column height 59˝ (150cm) and base 27.5 x 31.5’ (70 x 80cm) D.W. Weighs 114.5 lbs. (51.9kg).

**Item # BO1740..................................** 2,212.50

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**System 750 (1741)**
Same as the System 750 (1740), but outfitted with a light box instead of a magnetic baseboard. Weighs 155 lbs. (70kg).

**Item # BO1741.....................................................................................................** 2,416.95

### Accessories for Bogen Repro Copystands

A wide selection of versatile and flexible lighting assemblies and accessories for the Bogen Repro series. All assemblies have a 35.5” (90cm) supporting arm length and are adjustable from 30° to 90°. The cross arm length is 32” (81cm) and is adjustable from 7” (14cm) above the baseboard to up to 35” (89cm).

- **Varilight 1000 Power Supply (1742)**
  Regulates light intensity. Designed to be used with models #1738, #1740 and #1741. Weighs 5 lbs. (2.3kg).
  **Item # BO1742. ...............** 173.50

- **Hinged Glass (1743)**
  Designed for copy work; keeps originals flat on the copystand. Designed to be used with models #1738, #17403 and #1741. Weighs 5 lbs. (2.3kg).
  **Item # BO1743 .................** 116.95

- **Geared Side Arm (1744)**
  Provides precise positioning of camera. Weighs 4 lbs. (1.8kg).
  **Item # BO1744.................................................................** 139.95

- **Magnetic Baseboard Converter (1745)**
  The magnetic baseboard designed for use with the 750 can also be used on other stands. Measuring 16.5x25” (42x64cm), it can convert a plain baseboard into a magnetic one. 8 lbs. (3.6kg).
  **Item # BO1745.................................................................** 73.95

- **Diffusion Panels (1774)**
  Set of two Diffusion Panels fits all Repro Lighting Assemblies and models #1781, #1782, #1783 and #1784. 11 lbs. (5kg).
  **Item # BO1774.................................................................** 136.95

- **Lightbox for System 750 (1746)**
  A light box that can be built into System 750. 25 lbs. (11kg).
  **Item # BO1746 .......................** 275.95

- **Barndoors (1777)**
  Set of two Barndoors; fits all heads. Weighs 2 lbs. (0.9kg).
  **Item # BO1777 .......................** 105.95

- **Attenuators (1778)**
  Set of two Attenuators; fits all heads. Weighs 2 lbs. (0.9kg).
  **Item # BO1778 .......................** 13.95

- **Filter Holders (1779)**
  Filter heads for reflector heads. Set of 2. Weighs 1.5 lbs. (0.7kg).
  **Item # BO1779 .......................** 37.95

- **Utility Tray with Clamp (1749)**
  The Utility Tray is a flat surface that clamps to the edge of the System 750 table, keeping needed items within reach. It weighs 1 lbs. (0.5 kg).
  **Item # BO1749 .......................** 79.95

## Lighting Accessories

- **4-Light Lighting Assembly (1705)**
  Four Tungsten Reflector Heads in lighting assembly. Fits all Repro Stands. Weighs 5 lbs. (2.3kg).
  **Item # BO1705 .........................................................** 74.95

- **Lighting Assembly (1735)**
  Comes with two Tungsten Reflector Heads and fits all Repro Stands. Includes medium screw base sockets and accepts BBA (No. 1 Photoflood) lamps. 16 lbs. (7kg).
  **Item # BO1735 .........................................................** 249.95

- **Four Light Assembly (1736)**
  Same as 1736, but with 4 light heads. Weighs 17 lbs. (7kg).
  **Item # BO1736 .........................................................** 299.95

- **E27 Base Quartz Lamp 250w (1737)**
  **Item # BO1737 .........................................................** 46.95

- **TL-2 Copy Light Assembly (1883)**
  Copy light assembly for TC-2. Weighs 6 lbs. (2.7kg).
  **Item # BO1883 .........................................................** 134.95

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**Used Equipment Bought, Sold and Traded**
The incredibly versatile Polaroid MP-4 system offers photographers all of the benefits of a complete photographic studio without a darkroom. The MP4 camera can be used for copy work, photomicrography and photomacrography. It can double as an off-stand studio or lab view camera, or be used as a 35mm copystand. Pro photographers, scientists and technicians can all turn out high-quality photos with minimal training – no prior photographic knowledge is required to use this system. Because the camera uses Polaroid film, results are seen almost immediately and changes can be made right away, as needed.

Both MP-4 cameras offer eye-level reflex viewing, effortless floating focus, six interchangeable flatfield Tominon lenses, a versatile, self-cocking Copal shutter, easily interchangeable film holders, infinitely adjustable built-in lighting, a camera head that rotates 360° and an optional rotating support column. Due to its modular design and wide selection of accessories, the MP-4 lets you select only what you need. And if your needs change or expand, you can add new features later.

### MP-4+ Systems

<table>
<thead>
<tr>
<th>Description</th>
<th>MP4+ Standard System (617572)</th>
<th>MP4+ XLR System (617569)</th>
<th>MP4+ Standard Basic System (617571)</th>
<th>MP4+ XLR Basic System (617570)</th>
</tr>
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<tbody>
<tr>
<td>Includes column, baseboard, light arms, sliding head, reflex viewer, standard groundglass and copal shutter.</td>
<td>Item # POMP4PSK 2,169.95</td>
<td>Item # POMP4PSBK 1,599.95</td>
<td>Item # POMP4PSBK 1,599.95</td>
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<td>Includes XLR Column, XLR Baseboard, XLR Light Arms, sliding camera head, reflex viewer, standard groundglass and copal shutter.</td>
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<td>Item # POMP4PSBK 1,599.95</td>
<td>Item # POMP4PSBK 1,599.95</td>
<td>Item # POMP4PSBK 1,599.95</td>
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### MP-4+ Specifications

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<th>Description</th>
<th>MP4+ STANDARD SYSTEM</th>
<th>MP4+ XLR SYSTEM</th>
<th>MP4+ STANDARD BASIC SYSTEM</th>
<th>MP4+ XLR BASIC SYSTEM</th>
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<td>POMP4PSLRK</td>
<td>POMP4PSBK</td>
<td>POMP4PSLRBK</td>
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<tr>
<td>Column Height</td>
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<td>66˝ (168cm)</td>
<td>46˝ (116cm)</td>
<td>66˝ (168cm)</td>
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<tr>
<td>Baseboard</td>
<td>18x23˝ (46x59cm)</td>
<td>23x29˝ (59x74cm)</td>
<td>18x23˝ (46x59cm)</td>
<td>23x29˝ (59x74cm)</td>
</tr>
<tr>
<td>Dimensions (WDH)</td>
<td>22x42x43.3˝ (56x107x110cm)</td>
<td>9.5x12x44.6˝ (24x31x113cm)</td>
<td>22x42x30.5˝ (56x107x77cm)</td>
<td>19.5x62x31.7˝ (80x157x81cm)</td>
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<tr>
<td>Weight</td>
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<td>100.2 lbs. (45.5kg)</td>
<td>74.7 lbs. (33.9kg)</td>
<td>99 lbs. (44.9kg)</td>
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Subject to change without notice
## Used Equipment Bought, Sold and Traded

### Columns

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<th>Description</th>
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<tr>
<td>POCSM4P</td>
<td>MP4+ Standard Fixed Column (615304)</td>
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<tr>
<td>POCLRM4P</td>
<td>MP4+ Rotating Column (615303)</td>
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### Baseboards

<table>
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<tr>
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<tr>
<td>POCXLRMP4PQ</td>
<td>MP4+ Standard Baseboard (615307)</td>
<td>409.95</td>
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<tr>
<td>POCXLRMP4P</td>
<td>MP4+ XLR Baseboard (615308)</td>
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### Lighting

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<td>POCLMP4P</td>
<td>Universal Light Arms (618123)</td>
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<td>POLXM4P+</td>
<td>MP4+ Standard Tungsten Lights (615314)</td>
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<td>POLQMP4P</td>
<td>MP4+ Quartz Halogen Lights (615319)</td>
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### MP4+ Dolan Jenner Fiber Optics Macro Lighting System

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### Camera Head Components

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<td>44-41 MP-4 Sliding Camera Head (601116)</td>
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<td>PO4444</td>
<td>44-45 MP-4 Macro Extension (601122)</td>
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<td>POTTIAV810</td>
<td>TTI AV-810 MP-4 Camera Head (614086)</td>
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### Lenses

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<td>44-65 135mm Tomonin f/4.5-32 Lens (601148)</td>
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<td>PO4466</td>
<td>44-66 105mm Tomonin f/4.5-32 Lens (601150)</td>
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<td>PO4467</td>
<td>44-67 75mm Tomonin f/4.5-32 Lens (601152)</td>
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<td>44-68 50mm Tomonin f/4.5-32 Lens (601154)</td>
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<td>44-69 35mm Tomonin f/4.5-32 Lens (601156)</td>
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<td>PO4470</td>
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### Groundglasses & Reflex Viewer

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<td>PO4450</td>
<td>44-50 Standard Groundglass (601128)</td>
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<td>PO4451</td>
<td>41-51 Aerial Image Focusing Screen (601130)</td>
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<td>44-54 Special Calibrated Groundglass (601140)</td>
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<td>44-55 Reflex Viewer and Hood (610136)</td>
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POLAROID
INSTANT-CAMERA COPY KITS, CLOSE-UP CAMERAS

Baseboards

MP4+ Standard Baseboard (615307)
Includes attached wiring system, storage drawer, leveling feet and 18% gray laminated surface. Exterior dimensions: 22.3 x 28 x 6.5” (57 x 71 x 17cm). Work area: 18x23” (46 x 59cm). 34 lbs. (15.4kg).
Item # POBBSM P4P ................................................................. 409.95

MP4+ XLR Baseboard (615308)
The MP4+ XLR Baseboard’s exterior dimensions are 27.5 x 34.5 x 7.5” (70 x 88 x 19cm). The work area is 23x29” (58 x 74cm).Weighs 48 lbs. (21.8kg).
Item # POBBXLRM P4P ............................................................ 571.95

Assorted Accessories

44-48 Polaroid Pack 3½ x 4½” Film Holder (608911)
Item # PO4448Q ........................................................................ 149.95

44-61 Special Self-Cocking Copal Shutter (616365)
B and 1 second to 1/125 second with built-in X-sync and previewing position; includes microscope baffle tube.
Item # PO4461............................................................................. 224.95

44-81 MP-4 Tripod Adapter (601172)
Weight: 3.1 lbs (1.4kg)
Item # PO4481 ............................................................................... 116.50

44-85 MP-4 Universal Camera Mount (601174)
For 35mm cameras. Weight: 1.7 lbs. (779g)
Item # PO4485 ............................................................................... 122.95

44-88 MP4+ Filter Kit (601176)
Includes three basic filters for use with Polacolor film and MP-4 lights. 3” square filter holder accepts all 3” (8cm) square gelatin filters.
Item # PO4488 ............................................................................... 92.95

MP4+ Electrophoresis Filter Kit (616364)
Includes three contrast-building filters and ring adapter for the most common electrophoresis stains. Filters will fit 135mm, 105mm and 75mm lenses. Filters are orange #15, yellow #8, green #58.
Item # POFKEMP4P ..................................................................... 57.50

Development Timer (615312)
Designed with an adhesive back for use on any Polaroid System.
Item # POTD ................................................................................ 21.95

Baseboards

MP4+ Standard Baseboard (615307)
Includes attached wiring system, storage drawer, leveling feet and 18% gray laminated surface. Exterior dimensions: 22.3 x 28 x 6.5” (57 x 71 x 17cm). Work area: 18x23” (46 x 59cm). 34 lbs. (15.4kg).
Item # POBBSM P4P ................................................................. 409.95

MP4+ XLR Baseboard (615308)
The MP4+ XLR Baseboard’s exterior dimensions are 27.5 x 34.5 x 7.5” (70 x 88 x 19cm). The work area is 23x29” (58 x 74cm).Weighs 48 lbs. (21.8kg).
Item # POBBXLRM P4P ............................................................ 571.95

Assorted Accessories

44-48 Polaroid Pack 3½ x 4½” Film Holder (608911)
Item # PO4448Q ........................................................................ 149.95

44-61 Special Self-Cocking Copal Shutter (616365)
B and 1 second to 1/125 second with built-in X-sync and previewing position; includes microscope baffle tube.
Item # PO4461............................................................................. 224.95

44-81 MP-4 Tripod Adapter (601172)
Weight: 3.1 lbs (1.4kg)
Item # PO4481 ............................................................................... 116.50

44-85 MP-4 Universal Camera Mount (601174)
For 35mm cameras. Weight: 1.7 lbs. (779g)
Item # PO4485 ............................................................................... 122.95

44-88 MP4+ Filter Kit (601176)
Includes three basic filters for use with Polacolor film and MP-4 lights. 3” square filter holder accepts all 3” (8cm) square gelatin filters.
Item # PO4488 ............................................................................... 92.95

MP4+ Electrophoresis Filter Kit (616364)
Includes three contrast-building filters and ring adapter for the most common electrophoresis stains. Filters will fit 135mm, 105mm and 75mm lenses. Filters are orange #15, yellow #8, green #58.
Item # POFKEMP4P ..................................................................... 57.50

Development Timer (615312)
Designed with an adhesive back for use on any Polaroid System.
Item # POTD ................................................................................ 21.95

CU-5 CLOSE-UP CAMERAS

The Polaroid CU-5 system lets you make instant close-up pictures right in your own laboratory, office or in the field without a darkroom. Because of its unique design, you don't have to worry about lighting, focus, exposure setting or field size. All of the critical elements of close-up photography are predetermined for you. Simply position the camera over your subject and take the picture. The CU-5 is lightweight, compact and easily manipulated with one hand, so it can be held in a variety of positions for hard to get shots.

CU-5 Pack System (617567)
Includes model #88-1 camera body, 3” lens and AC/DC power supply. Its dimensions are 10.6 x 15.3 x 17.6” (27 x 39 x 45cm) W.H.D. Weighs 10.5 lbs. (4.8kg).
Item # POCU5PK ......................................................................... 999.95

CU-5 4x5” System (617563)
Includes model #88-45 4x5” camera body, 3” lens and AC/DC power supply. Dimensions are 10.6 x 15.3 x 16.6” (27 x 39 x 45cm) W.H.D. Weighs 10.7 lbs. (4.9kg).
Item # POCU545K ..................................................................... 992.95

Frame Attachments

88-11 CU-5 Frame (600819)
Frame attachment component for use with 3” lens model #88-3 and Pack Film Body model #88-1, for 1:1 magnification.
Item # PO 8811 ............................................................................. 76.50

88-21 CU-5 Frame (600830)
Frame attachment component for use with 3” lens model #88-3 and Pack Film Body model #88-1, for 2:1 magnification.
Item # PO 8821 ............................................................................. 76.50

Frame Attachments continued on next page
These economical copystands are particularly suitable for students, amateurs and pro operators that wish to add copying capabilities. All cameras from 35mm to 4x5 will fit. Also ideal for polaroids and video use.

**Copystands**

**Copystand (CS-1)**
The basic model handles small 35mm still cameras and Camcorders. Comes with 14x19” (36x48cm) baseboard and 23” (58cm) steel column; lights additional.
Item #TECS1 ...........................................................................$45.95

**Copystand With Lights (CS-1L)**
Same as CS-1 with a 2-light unit which includes cord sets, sockets, swivels, aluminum reflectors and wood control knobs.
Item #TECS1L ...........................................................................$69.95

**Copystand (CS-2)**
Sturdy model features 2 interlocking 19” (48cm) posts which reach 38” (96cm) altogether. Sliding arm moves smoothly through entire length of dual post.
Item #TECS2 ...........................................................................$57.95

**Copy Outfit (CS-2/23C)**
Model CS-2, described above, packed with 23C copy lights.
Item #TECS223C .......................................................................$103.95
TESTRITE
COPY STANDS

Copystand (OS-3)
Features two interlocking 1.5” (4cm) diameter, 19” (48cm)-long posts which reach 38” (96cm) altogether. Camera bracket permits centering of camera over original. Post locking feature allows travel of arm up and down entire length of posts.

Item #TECS3 ................................................................. 79.95

Copystand (OS-4)
Features heavy-duty, rigid parallel construction, 3” (7cm) longer than CS3 arm, 2 interlocking 1.5” (4cm) diameter 19” (48cm) long posts which reach 38” (96cm) altogether. Post locking feature allows travel of arm up and down entire length of posts. Extra-long camera bracket with large lock-up washer permits easy centering over work. Accommodates all copy lights.

Item #TECS4 ................................................................. 102.95

Copystand (OS-5)
Especially designed for schools, hospitals and pro photographers who require a sturdy, heavy duty copier. Features include: one-piece 2” (5cm)-diameter 34” (86cm) long chrome plated steel post; a sturdy 20x30” (51x76cm) baseboard that can accommodate 16x20” (41x51cm) originals horizontally or vertically; a counterbalance spring that easily supports heavy 4x5 cameras; heavy-duty sliding arm that moves easily up and down post; extra large 6” (15cm) long camera rod which permits centering over original; sturdy struts from baseboard to top of counterbalance that eliminate vibrations. Will accommodate all copy lights.

Item #TECS5 ................................................................. 166.95

Copy Outfit (CS-3/2344)
Model CS-3, described above, packed with 23-4 copy lights.

Item #TECS32344 ....................................................... 135.95

Super Adjustable Copystand (CS-6)
Extremely versatile stand offers adjustable copy rod that holds the camera and can be brought forward up to 4” (10cm). Large 15.8x18.8” (40x48cm) baseboard. Aluminum sliding arms, chrome finish, posts 26” (66cm) high.

Item #TECS6 ................................................................. 62.95

Mini Copystand (OS-7)
Portable all-aluminum and steel unit features angled legs that can be easily disassembled for storage or travel. 18” steel post holds camera rod that can be set horizontally for copying or vertically for use as a table-top stand. Unit can be placed on glass and shot through for special effects. 23C or 23P copy lights are suitable for this model.

Item #TECS7 ................................................................. 62.95

Pro Copystand & Lights (CS-8P)
Pro features distinguish this copystand. 17.5x18” (44cm) Metal base has built-in borderless easel. Spring loaded parallelogram arm, extendible camera rod, two-piece chrome post that rises 38” (97cm) are included. Stand comes with copy light with 2 Aluminum reflectors for previews and 2 sockets to accommodate electronic flash units. Additional flash sockets available for large copywork.

Item #TECS8 ................................................................. 209.95

Copystage (CS1417)
Makes special effects and backlighting possible. Fits all copystands with square or round posts from .5 to 1.5” (1-17cm) diameters. Acrylic translucent 14x17” (36x43cm) top, black aluminum frame. Ideal for macro work, specimen photos, copying slides or graphics.

Item #TECS1417 ......................................................... 62.95

COPYSTAND (TOTAL SYSTEM) SPECIFICATIONS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM #</th>
<th>COLUMN HEIGHT</th>
<th>BASEBOARD</th>
<th>OVERALL DIMENSIONS</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-1 Copystand</td>
<td>TECS1</td>
<td>27” (69cm)</td>
<td>14 x 19” (38 x 48cm) WD</td>
<td>19.5 x 14.5 x 3.5” (50 x 37 x 9cm) WDH</td>
<td>10lbs. (4.5kg)</td>
</tr>
<tr>
<td>CS-1L Copystand w/ Lights</td>
<td>TECS1L</td>
<td>27” (69cm)</td>
<td>14 x 19” (38 x 48cm) WD</td>
<td>19.3 x 14.5 x 5.5” (49 x 37 x 14cm) WDH</td>
<td>11 lbs. (5kg)</td>
</tr>
<tr>
<td>CS-2 Copystand</td>
<td>TECS2</td>
<td>37” (94cm)</td>
<td>16 x 19” (41 x 48cm) WD</td>
<td>19.8 x 16 x 5.3” (50 x 41 x 13cm) WDH</td>
<td>12 lbs. (5.4kg)</td>
</tr>
<tr>
<td>CS-2 w/ 23C Lights</td>
<td>TECS223C</td>
<td>37” (94cm)</td>
<td>16 x 19” (41 x 48cm) WD</td>
<td>19 x 16.3 x 7” (48 x 41 x 18cm) WDH</td>
<td>17lbs. (7.7kg)</td>
</tr>
<tr>
<td>CS-3 Copystand</td>
<td>TECS3</td>
<td>38” (97cm)</td>
<td>16 x 22” (41 x 56cm) WD</td>
<td>23 x 16.5 x 6” (58 x 42 x 15cm)W&amp;DH</td>
<td>16 lbs. (7.3kg)</td>
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<tr>
<td>CS-3/234 Copy Outfit</td>
<td>TECS2344</td>
<td>38” (97cm)</td>
<td>16 x 22” (41 x 56cm) WD</td>
<td>24 x 16.5 x 6” (61 x 42 x 15cm)W&amp;DH</td>
<td>22 lbs. (10kg)</td>
</tr>
<tr>
<td>CS-4 Copystand</td>
<td>TECS4</td>
<td>38” (97cm)</td>
<td>16 x 22” (41 x 56cm) WD</td>
<td>24 x 19.3 x 7” (61 x 49 x 18cm)W&amp;DH</td>
<td>21 lbs. (9.5kg)</td>
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<tr>
<td>CS-5 Copystand</td>
<td>TECS5</td>
<td>34” (86cm)</td>
<td>20 x 30” (51 x 76cm) WD</td>
<td>34.5 x 16 x 5.3” (88 x 41 x 13cm) WDH</td>
<td>29 lbs. (13kg)</td>
</tr>
<tr>
<td>CS-6 Copystand</td>
<td>TECS6</td>
<td>26” (66cm)</td>
<td>15.8 x 18.8’’ (40 x 48cm) WD</td>
<td>19.8 x 16 x 5.3” (50 x 41 x 13cm) WDH</td>
<td>12 lbs. (5.4kg)</td>
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<tr>
<td>CS-7 Mini Copystand</td>
<td>TECS7</td>
<td>18” (46cm)</td>
<td>–</td>
<td>23.3 x 4.8 x 3” (59 x 12 x 8cm)</td>
<td>3 lbs. (1.4kg)</td>
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<tr>
<td>CS-8 Copystand</td>
<td>TECS8</td>
<td>30” (75cm)</td>
<td>17.5 x 18” (44 x 46cm) WD</td>
<td>32.5 x 20 x 7.3” (83 x 51 x 18cm) W&amp;DH</td>
<td>26 lbs. (11.8kg)</td>
</tr>
<tr>
<td>CS-9 Copystand</td>
<td>TECS9</td>
<td>36” (91cm)</td>
<td>20 x 30” (51 x 76cm) WD</td>
<td>34.5 x 20.3 x 7” (88 x 52 x 18cm) W&amp;DH</td>
<td>30 lbs. (13.6kg)</td>
</tr>
</tbody>
</table>

Subject to change without notice
**Copystands, continued**

**Heavy Duty Stand (CS-9)**
36” (91cm) post includes inch and centimeter scales. Heavy-duty sliding counterbalanced arm offers unique squarness adjustment. Wood baseboard offers 20x30” (51x76cm) workspace with grayscale covering for even illumination verification over the entire board. Camera rod and lock-up knob extends to 3” (8cm). Height can be adjusted from 7.5-36.5” (18 x 93cm).

Item # TECL23P

**Copy Lights (CL23-P)**
Similar to model 23-C, but with porcelain sockets to accommodate high-wattage reflector type bulbs. Weighs 4 lbs. (1.8kg).

Item # TECL23P

**Copy Lights (CL23-44)**
4 lights provide even illumination of large originals. 4 aluminum reflectors included. Weight: 6 lbs. (2.7kg).

Item # TECL2344

**Photo & Copy Lights (CL46)**
Designed for studio and copy work. Adjustable. Attaches to any wood baseboard. 4 aluminum reflectors included. Weight: 10 lbs. (4.5kg).

Item # TECL45

**2-Light Unit Copy Lights (CL35)**
Accommodates standard bulbs. Fits any copystand with post up to 1.5” (4cm) diameter. Easy-to-adjust black-finished 4” (10cm) diameter reflectors. 4 light units for even lighting of larger originals. 5 lbs. (2.2kg).

Item # TECL35

**4-Light Unit Copy Lights (CL354)**
Accommodates standard bulbs. Fits any copystand with post up to 1.5” (4cm) diameter. Easy-to-adjust black-finished 4” (10cm) diameter reflectors. 4 light units for even lighting of larger originals. 5 lbs. (2.2kg).

Item # TECL354

**Daylight Color Copy Lights (CLCDL)**
Eliminates hot incandescent bulbs; 5500° Kelvin color temperature is balanced to many standard color slide and negative films. Complete unit includes arms and 2 18” (46cm) bulbs, suitable for copying originals up to 11x14”. Attaches to any wood baseboard. 12 lbs. (5.4kg).

Item # TECLCDL

**Copying Accessories**

**Copystage (CS1417)**
Weighs 6 lbs. (2.7kg).
Item # TEC51417

**5’ (13cm) Copy Light Reflector (BR)**
Item # TER5

**Visual Glare-Stop Polarizing Filters**
Glare is the natural enemy of every photographer. The VP Glare-Stop Filter stops glare where it starts — at the light. Exposure guess-work and expensive “bracketing” are eliminated because your meter readings give you the correct f-stop immediately.

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>Item #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3x3” Unmounted Polarizer Filter (GS-3LU)</td>
<td>VIP33U</td>
<td>7.95</td>
</tr>
<tr>
<td>6x6” Unmounted Polarizer Filter (GS-6LU)</td>
<td>VIP66U</td>
<td>12.50</td>
</tr>
<tr>
<td>8x8” Unmounted Polarizer Filter (GS-8LU)</td>
<td>VIP88U</td>
<td>19.95</td>
</tr>
<tr>
<td>12x12” Unmounted Polarizer Filter (GS-1212LU)</td>
<td>V1P1212U</td>
<td>44.95</td>
</tr>
<tr>
<td>18x18” Unmounted Polarizer Filter (GS-18LU)</td>
<td>V1P1818U</td>
<td>66.95</td>
</tr>
<tr>
<td>19x5 ft. Roll (GS-5R)</td>
<td>V1P195</td>
<td>193.50</td>
</tr>
<tr>
<td>19x10 ft. Roll (GS-10P)</td>
<td>V1P1910</td>
<td>369.95</td>
</tr>
</tbody>
</table>

**Mounted Polarizers**
Mounted in 2” frames for easy handling.

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>Item #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8x8” Filter (GS-8)</td>
<td>VIP88M</td>
<td>44.95</td>
</tr>
<tr>
<td>12x12” Filter (GS-12)</td>
<td>VIP1212M</td>
<td>54.95</td>
</tr>
<tr>
<td>18 x 18” Filter (GS-18)</td>
<td>VIP1818M</td>
<td>77.50</td>
</tr>
</tbody>
</table>

We are on the web at: http://www.bhphotovideo.com
WESS PLASTIC
COPY ACCESSORIES

Wess Plastic's Special Effects Devices take the guesswork out of duping and copying slides for high-end multi-projector, multi-media presentations. Designed to hold original 35mm chromes in place in perfect register with overlays and masks, Wess devices handle critical alignment with aplomb and will not hinder your creativity. Used in conjunction with their extensive line-up of masks, Wess Special Effects devices can turn your originals into smashing presentations.

The Wess Holder (SE7200)
Accurately positions original 35mm mounted slides for precise alignment. Helpful in creating title slides, combination images or other special effects using multiple exposures and exact positioning of film, masks and mattes. Contact printing in register is also possible by placing a strip of unexposed copy film emulsion down over the original on the pegs or pins with the solid pressure plate (included) locked in place. May be fitted on 2.3x2.3” (6x6cm) and smaller light sources or the Wess Director/Mini-Director. Dimensions: 3.5x4.5˝ (9x11cm).

The Wess Glower & Accessories

The Wess Glower (SE7650)
Special-effects 35mm copystage for use with the Wess Holder or Composer. It produces a glow effect for hard-edged subject matter that looks great on solid black or dark colored backgrounds. Four extra-tall pins hold images in registration, while glass spacers are used to create sandwiches with a diffusion sheet which gives off a “glow” effect. Masks and color gels can be sandwiched in varying (but repeatable) distances from the 35mm image. By varying these elements, you can create glows, auras, neon or other effects. And the results are repeatable at 1:1 magnification using only 35mm films. Dimensions: 6 x 4 x 3˝ (15 x 10 x 8cm) W.D.H.

Glower Diffusion Sheets, Set of 3 (PA2126) (Replacement.)
Item # WEDSG ................... 3.95
Glower Glass Kit (GK007) (Replacement.)
Item # WEGKG ................... 9.95
Instructions for The Glower (LIC022) (Replacement.)
Item # WEIBG ................... 3.95
The Wess Composer (SE7300)
An accessory for 35mm slide duplicating units that permits cropping and combining of images. When used with a camera that offers multi-exposure capabilities, the Composer will combine portions of images or produce progressive disclosure slides, multi-colored titles or combine portions of two separate images. Key features include: ability to crop any part of a 35mm image to square or rectangular proportions using four adjustable cropping blades and formatting spacers; combining portions of several images, divided by hard black lines; accurate positioning of film blades and formatting spacers; combining portions of several square or rectangular proportions using four adjustable cropping Key features include: ability to crop any part of a 35mm image to square or rectangular proportions using four adjustable cropping blades and formatting spacers; combining portions of several images, divided by hard black lines; accurate positioning of film blades and formatting spacers; combining portions of several square or rectangular proportions using four adjustable cropping

Splitter Accessories

Format/Focusing Plate (SEE100) (Replacement.)
Item # WEFP5 ........................................ 9.95
Winder for 35mm Back (SEE110) (Replacement.)
Item # WEWS ........................................ 4.50
Left-Center-Right Soft Edge Master (SEE182) (Replacement.)
Item # WESEM ........................................ 5.95
Blank-Center-Center Soft Edge Master (SEE183) (Replacement.)
Item # WESEM SQ ................................... 5.95
Splitter Alignment Master (SEE200) (Replacement.)
Item # WEAMS ...................................... 1.95
Instructions for Splitter (LIC008) (Replacement.)
Item # WEIS ........................................... 4.95

Format Spacers 6-Pack (SE7306) (Replacement.)
Item # WEFSS ................................. 4.95
Composer Anti-Newton Glass Pressure Plate (PA2330) (Replacement.)
Item # WEPFANG .................................. 6.95
Composer Plain Glass for Solid Pressure Frame (PA2330) (Replacement.)
Item # WEPFAC .................................. 2.95
Composer Base (PA7300) (Replacement.)
Item # WECB .................................... 84.50

Format/Focusing Plate (SEE100) (Replacement.)
Item # WEFP5 ........................................ 9.95
Winder for 35mm Back (SEE110) (Replacement.)
Item # WEWS ........................................ 4.50
Left-Center-Right Soft Edge Master (SEE182) (Replacement.)
Item # WESEM ........................................ 5.95
Blank-Center-Center Soft Edge Master (SEE183) (Replacement.)
Item # WESEM SQ ................................... 5.95
Splitter Alignment Master (SEE200) (Replacement.)
Item # WEAMS ...................................... 1.95
Instructions for Splitter (LIC008) (Replacement.)
Item # WEIS ........................................... 4.95

Composer Anti-Newton Glass Pressure Plate (PA2330) (Replacement.)
Item # WEPFANG .................................. 6.95
Composer Base (PA7300) (Replacement.)
Item # WECB .................................... 84.50

Splitter with 50+% Overlap (SE6000)
Produces 50+% butt-joined and overlapping formats. Extra overlap is used to compensate for projection lens distortions, which can be particularly noticeable in butt-joined panoramas. Special alignment slides – which can be produced with the Splitter, are required. The SE6000 is used with Wess 35mm 002 aperture SP peg slide mounts. The dimensions are 9.3 x 13.5” (24x34cm). Weighs 3 lbs. (14kg).
Item # WESSPP ........................................ 309.95
50+% Standard Positioning Plate (SEE604) (Replacement.)
Item # WE5PP50 .................................. 132.50
50% AMI Standard Positioning Plate (SEE606) (Replacement.)
Item # WEASPP50 .................................. 132.50
25% Overlap Positioning Plate (SEE605) (Replacement.)
Item # WEPP25 .................................. 132.50

For producing precise multi-projector panorama presentations. Until now, a pin-registered camera, copystand, compound table and much experience were needed to produce accurate butt or overlap panoramas. The Wess Splitter, in combination with a simple color enlarger, can produce the same results with greater speed, less aggravation and at a lower cost. A Panorama is a single image with a larger-than-normal (3:2) aspect ratio. To achieve brighter illumination on a large screen, an image may be divided into several slide segments, each requiring a separate projector. The segments are precisely reassembled on screen to form the complete image. A 2-screen image offers a 3:1 aspect ratio and requires a projector when the image needs a smooth overlap. The Splitter makes accomplishing this with precision easy. 2 or 3-screen overlapping formats or 2, 3, 4 or 6 screen butt panoramas can be made with the Splitter, depending on which version you purchase.
The Wess Duper & Accessories

For 1:1 contact printing on duplicating, print and high-contrast film. When exact 1:1 reproduction of a 35mm image is required, the Wess Duper is superb. Wess has developed a simple, inexpensive 35mm contact printer that can handle in-register duplicate transparencies, high-contrast reversal masks, continuous-tone reversal prints, internegatives and contrast control masks. The Duper, in concert with your light source, will reduce cost and time while assuring consistent, accurate 1:1 reproductions. Features include: contact printing three frames at once; a 36-exposure roll will yield 8 sets of 3 frames; can be used with overhead or sub-stage light sources; quick duplication of soft-edge panoramas made on Wess Splitter; insertion of masks and diffusion materials allowed; optional contact frames may be interchanged on base; non-skid bottom; may be used with anti-Newton glass, plain glass or glassless dupe inserts. Light source underneath should be at least 2x5" (5x13cm) in size. Color-balanced or filtered light source is required when duplicating in color.

Duper for Peg-Registered Originals (SE7150)
With contact frame. Its dimensions are 9.3 x 13.5" (23 x 34cm). Weighs 4 lbs. (1.8kg).
Item # WED ................................................................. 75.95

Duper for Non-Registered Originals (SE7151)
With contact frame. Its dimensions are 9.3 x 13.5" (23 x 34cm). Weighs 4 lbs. (1.8kg).
Item # WEDNRO .......................................................... 74.95

The Wess Grouper & Accessories

The Wess Grouper (SE800)
Allows 4, 9 or 16 images to be copied onto one 35mm slide when you have a camera with multiple-exposure capacity. Align the unit under your copy camera, over a light source measuring at least 4 x 6" (10 x 15cm). Place the 35mm film chips in their assigned spots on the Grouper’s grid (originals must be either pin- or VR-registered), place light traps over the individual frames and turn off the lights. The light trap over frame A1 is removed, the exposure made, the trap is returned. The plate is moved to the next position, A2 is exposed and so on. By moving the mounting plate in predetermined increments, the border between frames is compressed to a thin black line. A final composite transparency is created. No compound table or calculations are required. Time-consuming paste-ups are eliminated, and a variety of formats can be accommodated. A line-up focusing plate eliminates any guesswork. Dimensions are 9.3 x 13.5" (24 x 34cm). Weighs 4.2 lbs. (1.9kg).
Item # WEGQ ............................................................................................................ 349.95

Grouper Worksheets (LFC002)
(Replacement.)
Item # WEGWS .................................................................................. 8.95

35mm VR Hand Punch (TR2034)
(Replacement.)
Item # WEHP .................................................................................. 39.95

Grouper Base (F&H0100)
(Replacement.)
Item # WEGB .................................................................................. 154.95

Grouper Mounting Aperture Plate (SE8005)
(Replacement.)
Item # WEGMAP ............................................................................. 202.50

20 Pre-Registered Inserts (SE8010)
(Replacement.)
Item # WEPRI .................................................................................. 5.95

20 VR Pin-Registered Inserts (SE8011)
(Replacement.)
Item # WEVRPRI ............................................................................. 5.95

20 Anti-Newton Grouper Glass (CET003)
(Replacement.)
Item # WEANGG ............................................................................. 12.95

Instruction Booklet for Grouper (LCO15)
(Replacement.)
Item # WEIBG2 .................................................................................. 4.95
The Wess Pin-Printer

**The Wess Mini-Director (SE9050)**
Designed for small to medium-sized light sources. Accepts film chips to 2.75” (7x7cm) and medium-format slide mounts and Wess copy stage accessories. Adjustable stops are provided to limit free-float linear movements. Rotating stage can be moved through 360° and is calibrated in 1° increments. A free-float mode is available. Dimensions are 7.25 x 7.5” (18x19cm). Weighs 6 lbs. (2.7kg).

Item # WEZMENL ......................................................... 734.50

4x5” Light Expansion Box (SE9000)
Attaches directly to the top stage of Wess compound tables and SE7500, SE7510 and SE7515 adapters. It expands the light source to 11.8 x 4.4 lbs. (30 x 11cm), weight 2 lbs. (0.9kg).

Item # WEFM01 .......................................................... 254.95

Presentation Mount Holder (SE7530)
Attaches to the top of the SE9030 4x5” expansion box. Accepts Wess 10.5x8.5cm M F Presentation Mounts. Dimensions: 11.8 x 4.4 lbs. (30 x 11cm), weight 2 lbs. (0.9kg).

Item # WEMPH ............................................................ 51.95

150mm Filter Holder (SE7615)
Fits on SE9030 and allows user to insert 6x6” (150x150mm) filters or masks. With 2 clear plastic filter carriers and flat diffusers. Dimensions: 10.8 x 8 x 2.3” (27 x 20 x 6cm).

Item # WEFPH ............................................................. 174.95

Square Glass Exposure Plate (GPP005) (Replacement.)
Item # WEGEPQ ......................................................... 3.95

Round Glass Cover Plate (GPP006) (Replacement.)
Item # WERGCPQ ..................................................... 7.95

Zero Position Locating Pin (SE8011) (Replacement.)
Item # WEZPLPQ .......................................................... 4.50

The Wess Director

**Square Glass Exposure Plate (GPP005) (Replacement.)**
Item # WEGEPQ ......................................................... 3.95

**Round Glass Cover Plate (GPP006) (Replacement.)**
Item # WERGCPQ ..................................................... 7.95

**Clear T-Square (RP4005)**
Item # WECTS ............................................................ 2.95

**Zero Position Locating Pin (SE8011) (Replacement.)**
Item # WEZPLPQ .......................................................... 4.50

**Plotting Pad (SEB12)**
Item # WEPP ............................................................. 0.50

**Instruction Booklet for Director (LIC021)**
Item # WEIBDQ ............................................................ 4.95

**Plotting Stylus (SE8401)**
Item # WEPS ............................................................. 7.95

**The Wess VR Pin-Printer (SR4500)**
A pin-registration system for making soft-edge photographic masks on 4 x 5” (10x13cm) film. Essential for in-register contrast masking. Accepts 35mm to 4x5”. Dimensions are 10.8 x 8 x 2.3” (27 x 20 x 6cm) W.D.H. Weighs 1.9 lbs. (0.9kg).`

Item # WEVRPP .......................................................... 409.95

35mm Format Masking Plate (SE4510)
Eliminates stray light and softens the original mask’s image. Allows 2 images to be printed on single sheet.

Item # WEFM P35 .......................................................... 34.95

6x4.5cm Format Masking Plate (SE4511)
Item # WEFM P645 ...................................................... 34.95

6x6cm Format Masking Plate (SE4512)
Item # WEFM P66 ....................................................... 34.95

6x7cm Format Masking Plate (SE4513)
Item # WEFM P67 ....................................................... 34.95

6x9cm Format Masking Plate (SE4514)
Item # WEFM P69 ....................................................... 34.95

4x5” Format Masking Plate (SE8015)
Item # WEFM P45 ....................................................... 26.50

VR Multi-Format Punch (TR2050)
Item # WEFMPF ......................................................... 166.50

Glass Contact Printing Plate (GPP020) (Replacement.)
Item # WEGCPP .......................................................... 57.50

Pin-Printer Contact Printing Frame (SE8062) (Replacement.)
Item # WEPPCPF .......................................................... 279.95

**Top Pressure Frame (SE8063)**
Item # WEETPF .......................................................... 74.95

We Ship Worldwide