Counterfeit Security Pen?!
Not only are these pens easily lost, but in 2000 the Secret Service estimated the Counterfeit Security Pen to have an 83% FAILURE rate. They have proven to be extremely UNRELIABLE. Many chemicals affect this pen including: Soap, bleach, battery acid, wax, grease or even hairspray. It is impossible for this pen to verify the hardest to counterfeit security features in currency, such as the fluorescent security threads and watermarks. The MoneyChecker from Angstrom Technologies verifies these security features.

The Universal Model 6700 Advantage
Both MoneyChecker models verify security features in US currency, but the additional UV lamp in the hood of the 6700 Universal model also verifies security features in many other items, such as:

- CREDIT CARDS: Hidden ultraviolet security features only visible under the UV lamp.
- CHECKS: Made of Secure paper; will absorb the UV light and will not glow, but may have security markings that can only be seen under UV light.
- TRAVELER’S CHECKS: May appear dull if genuine, fluorescent signature lines, watermarks.
- INTERNATIONAL CURRENCY: Security threads, holograms, and watermarks.
- STATE ISSUED DRIVER’S LICENSES: UV properties built in will vary from state to state.
- RESIDENT ALIEN/GREEN CARDS: “USA” or an image of the US Flag will fluoresce throughout the card when placed under the UV light
- PASSPORTS: Various unseen multi-colored UV fluorescent emblems and images, will vary by country
- EVENT TICKETS: Various ultraviolet and UV security features
- OTHER ITEMS: US Govt. checks, Cashier’s Checks, and many more

All Are Protected by
MoneyChecker®

The MoneyChecker® Has Got You Covered
Operation Instructions

1. Universal Model 6700 only: Plug the power cord from the hood into the jack located on the rear of the unit.
2. Plug the power supply adapter into the input jack on the right side of the unit.
3. Activate the unit by passing an item (currency or other suitable target) over the sensor located near the front right corner of the template.
4. Power saving feature: the unit will turn off after 3 to 4 minutes when not in use. It will remain off until another target is passed over the sensor.
5. Make sure no debris collects in the sensor slot, this can disable the unit. Debris can be removed with a dry toothbrush, compressed air, etc. Do not insert sharp or metallic objects into the sensor.
6. There is no on/off switch, unplug the unit when not in use for long periods of time.
7. Warning: High Voltage- Do not submerge or expose the unit to liquids. Always disconnect the power before replacing lamps.

Verifying Security Features in US Currency:

1. The UV and LED lights are designed to illuminate the security thread and watermark embedded in US currency after 1996. Older bills may not contain these features.
2. Place the bill over the template, portrait side up.
3. The security thread will glow a specific color depending upon the denomination of the currency. The template shows the location and color of the security thread for each denomination.
4. Note: In 2004, the $50 thread was moved to the left approx. ½ inch. In 2008, the $5 thread was moved from the left to the right side of Lincoln’s portrait. See the “Security Thread Features” section.
5. The LED light on the right side of the unit is used to verify the presence of the watermark. In most cases, the watermark should match the portrait on the bill. Note: the watermark in the $5 bill released in 2008 is the numeral “5”.

Security Thread Features

<table>
<thead>
<tr>
<th>Denomination</th>
<th>Year</th>
<th>Color</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100</td>
<td>1996-RED (Pink)</td>
<td>On the left of the portrait</td>
<td></td>
</tr>
<tr>
<td>$50</td>
<td>1997-2004 YELLOW</td>
<td>On the right of the portrait</td>
<td></td>
</tr>
<tr>
<td>$20</td>
<td>All versions 2000-2004 GREEN</td>
<td>On the left of the portrait</td>
<td></td>
</tr>
<tr>
<td>$10</td>
<td>All versions 2000-2008 ORANGE</td>
<td>On the right of the portrait</td>
<td></td>
</tr>
<tr>
<td>$5</td>
<td>2000-2008 BLUE</td>
<td>On the left of the portrait</td>
<td></td>
</tr>
<tr>
<td>$5</td>
<td>2008- BLUE</td>
<td>On the right of the portrait</td>
<td></td>
</tr>
</tbody>
</table>

Additional information regarding US currency security features can be found on the following websites:
www.moneyfactory.gov
www.secretservice.gov/know_your_money.shtml

UV Lamp Replacement Instructions

- All models have one UV lamp (black light) in the bottom (part number 6013).
- The Universal Model 6700 has an additional UV lamp in the hood (part number 6015-J).
- Replacement UV lamps can be ordered from your distributor or purchased directly from Angstrom Technologies.

Note: the watermark LED lamp should last the life of the unit and is not user replaceable.

Top Lamp Replacement: Universal Model 6700 Only
(part no. 6015-J)

1. To change the top UV lamp, replace the entire hood assembly.
2. Warning: High Voltage - make sure the power supply is disconnected from the side of the unit before proceeding.
3. Unplug the hood from the rear of the unit.
4. Remove the two screws holding the hood to the base.
5. Re-assemble the unit with the new hood assembly: route the lamp power cord through the notch in the rear of the hood and screw the hood to the base.
6. Plug the new hood into the jack on the rear of the unit.

Bottom Lamp Replacement: All Models
(Part no. 6013)

1. Warning: High Voltage - make sure the power supply is disconnected from the side of the unit before proceeding.
2. For the Universal 6700 model, follow steps 2-4 above to remove the hood assembly.
3. For the Industrial 6500 model, slide the hood toward the rear of the unit and lift.
4. Remove the small screw located in the upper left corner of the template.
5. Push the tabs on the right and left side of the cover towards each other and lift off the clear plastic cover and the template to expose the UV bulb housing.
6. Pull back on the two black retaining clips in front of the lamp assembly and remove the lamp assembly.
7. Install the new lamp. The lamp assembly has three tabs that are held by three retaining clips; insert the single tab into the rear retaining clip first, then gently press the front of the lamp assembly so that the two remaining tabs snap into the front retaining clips.
8. Re-assemble the unit.