

# 150P MANUAL PROCESSOR

## TROUBLE SHOOTING

### *Black radiograph (no exposure)*

- Negative envelope not removed
- Faulty generator (no X-rays emitted)  
Check X-ray emission either by dosimeter reading, or, in a dark place, fire the X-ray source at the screen of an opened cassette. (Screen will illuminate if source is working properly.)

### *Radiograph too dark*

- Underexposed

### *Clear radiograph (extreme overexposure)*

- Negative loaded backwards

### *Radiograph too light*

- Overexposed

### *Repeated dot pattern*

- Dirty processing rollers
- Turned the crank the wrong direction

### *Black specks*

- Dirty intensifying screen

### *Blurred image*

- Pressure plate not locked or not fully locked
- Subject or cassette in motion at time of exposure

### *Poor image quality*

- Processing time too short
- Unsuitable processing temperature

### *Washed out image, gray cast over entire radiograph (chemical fog)*

- Positive sheet stored at high temperature

### *Light area in a line on radiograph (light fog)*

- Light leak in processing chamber (keep processor out of direct sun while in use)

### *Horizontal dark lines across radiograph*

- "Hesitation" marks caused by uneven roller speed or dirt on rollers

### *Bits of developer adhere to radiograph*

- Positive peeled too slowly from negative (if possible, blot developer off carefully with paper towel immediately after separation)

### *Negative envelope difficult to remove*

- Negative not loaded between blue guide lines in cassette
- Negative loaded in cassette upside down
- Operator not grasping envelope in center or not pulling envelope straight out of cassette

### *Negative and/or positive fails to pass through the rollers when hand crank is turned*

- Negative tab bent
- Negative not loaded between blue guides in the cassette
- Negative did not catch on orange tongue in the cassette when the envelope was removed
  - Positive not positioned correctly
- Tongue in processor went over the paper on the positive instead of under it – (put a fold in the paper to create additional space between paper and positive.)
- Bearing blocks in the processor that hold the rollers together broke (remove processor base to verify)
- Processor spring clips that hold positive are bent incorrectly

**Call Golden Engineering if multiple sheets of film fail to pass through the processor.**

## **KNOWN SERVICE ISSUES**

**Handle breakage.** We have changed the crank arm design to address the issue of breakage.

**Film not pulling through.** Several factors could cause the positive and negative to fail to pull through the roller set.

1. Dirt roller set-Clean roller set thoroughly with warm, soapy water.
2. Broken bearing block-Check bearing blocks for cracks, replace if necessary.
3. Tight cassette-Contact Golden Engineering.
4. Excessive hand pressure on top of the cassette-Brace the processor by placing hand on the edge of the processor, not over the cassette.

**Only positive pulling through.** This is typically caused by a tight cassette or excessive hand pressure on top of the cassette.

**Only negative pulling through.** On old style processors this is caused by failure to engage the film lift tab into the positive sheet. Visually inspect lift tab-positive sheet interface by depressing the film separator and looking inside the processor.

**Broken bearing blocks.** Some early bearing blocks are subject to breakage. If the processor is not performing properly, inspect bearing blocks for breakage. Replace as needed.

**Tight cassettes.** Return the cassette for repair or replacement.