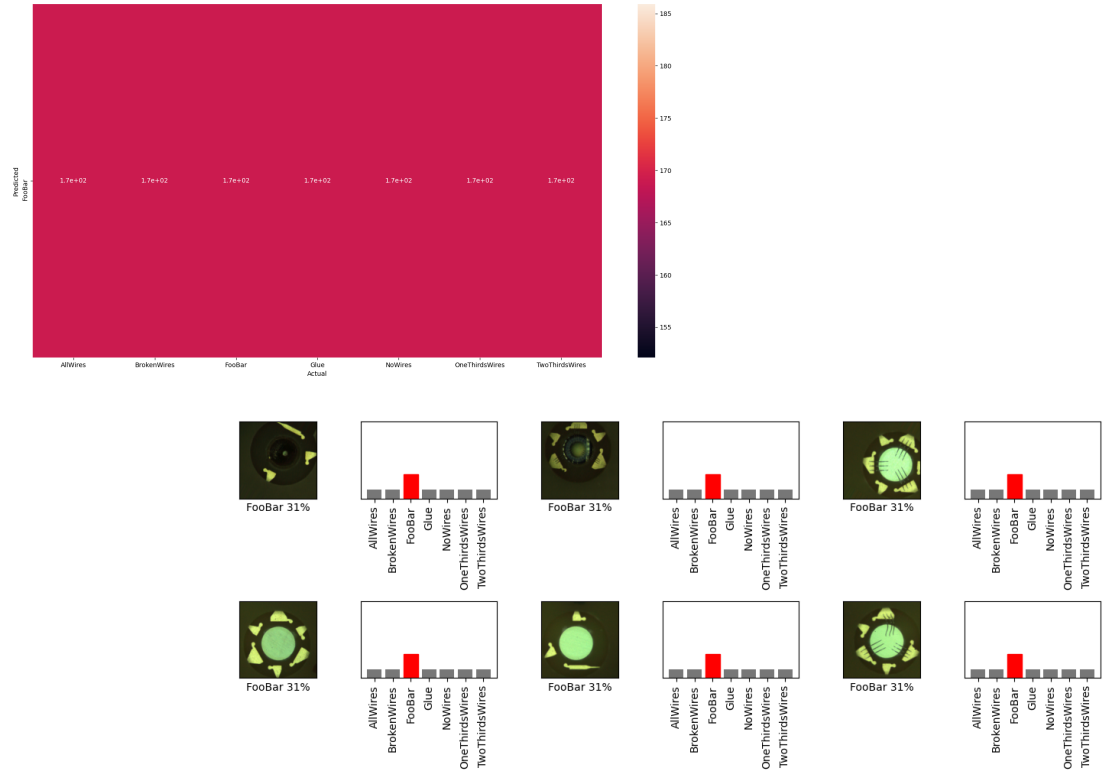**07_04_5:15:00PM**

Stats

```
Total Tests: 1183
correct predictions: 169
incorrect predictions: 1014
Percentage correct: 14.29%
========================
Most missed predictions
AllWires:  169
BrokenWires:  169
Glue:  169
NoWires:  169
OneThirdsWires:  169
TwoThirdsWires:  169
```

Confusion Matrix

Random Samples
Model Summary Model: "sequential"
_____

Layer (type)	Output Shape	Param #
rescaling (Rescaling)	(None, 480, 480, 3)	0
conv2d (Conv2D)	(None, 480, 480, 16)	448
conv2d_1 (Conv2D)	(None, 480, 480, 16)	2320
max_pooling2d (MaxPooling2D)	(None, 240, 240, 16)	0
conv2d_2 (Conv2D)	(None, 240, 240, 32)	4640
conv2d_3 (Conv2D)	(None, 240, 240, 32)	9248
batch_normalization (BatchNo	(None, 240, 240, 32)	128
max_pooling2d_1 (MaxPooling2	(None, 120, 120, 32)	0
conv2d_4 (Conv2D)	(None, 120, 120, 32)	9248

```
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conv2d_5 (Conv2D)              (None, 120, 120, 32)   9248

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max_pooling2d_2 (MaxPooling2   (None, 60, 60, 32)     0         ------------------------
conv2d_6 (Conv2D)              (None, 60, 60, 32)     9248

--------------------------------------------------------------
conv2d_7 (Conv2D)              (None, 60, 60, 32)     9248

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max_pooling2d_3 (MaxPooling2   (None, 30, 30, 32)     0         ------------------------
conv2d_8 (Conv2D)              (None, 30, 30, 32)     9248

--------------------------------------------------------------
conv2d_9 (Conv2D)              (None, 30, 30, 32)     9248

--------------------------------------------------------------
max_pooling2d_4 (MaxPooling2   (None, 15, 15, 32)     0         ------------------------
conv2d_10 (Conv2D)             (None, 15, 15, 32)     9248

--------------------------------------------------------------
conv2d_11 (Conv2D)             (None, 15, 15, 32)     9248

--------------------------------------------------------------
max_pooling2d_5 (MaxPooling2   (None, 7, 7, 32)       0         ------------------------
conv2d_12 (Conv2D)             (None, 7, 7, 64)       18496

--------------------------------------------------------------
max_pooling2d_6 (MaxPooling2   (None, 2, 2, 64)       0         ------------------------
flatten (Flatten)              (None, 256)            0         ------------------------
dense (Dense)                  (None, 128)            32896

--------------------------------------------------------------
dropout (Dropout)              (None, 128)            0         ------------------------
dense_1 (Dense)                (None, 32)             4128

--------------------------------------------------------------
dense_2 (Dense)                (None, 32)             1056

--------------------------------------------------------------
dense_3 (Dense)                (None, 7)              231       ========================
Total params: 147,575 Trainable params: 147,511 Non-trainable
params: 64 _____
```