

## LUCANA AERO SAMPLE TECHNICAL DATASHEET

### Model BE\*

#### Z MEASUREMENT

Nominal standoff	10 mm from nose piece
Min z	-10 mm, closer to nose piece
Max z	+16 mm
Accuracy	5 micron

#### NORMALITY

Rx range	+/- 6 degrees
Rx accuracy	+/- 0.03 degrees
Ry range	+/- 6 degrees
Ry accuracy	+/- 0.03 degrees

#### COUNTERSINK OD

Min OD	5 mm
Max OD	25.4 mm
Accuracy	+/- 25.4 micron, at center of view

#### COMMUNICATION

Ethernet	POE 48V
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#### MATERIAL

Type	Aluminum white, Aluminum green, Titanium, CFRP, & CFRP2
Automatic material	Yes

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### FASTENER FIND

Dx range	+/- 10 mm
Dy range	+/- 10 mm at nominal z
Dz range	+/- 5 mm
Accuracy	+/- 25.4 micron near center, +/- 50.8 micron across volume

### HOLE FIND [X Y Z]

Dx range	+/- 10 mm
Dy range	+/- 10 mm at nominal z
Dz range	+/- 5 mm
Accuracy	+/- 25.4 micron near center, +/- 50.8 micron across volume

\* Different models allow for different Standoff and Ranges. Please Contact Recognition Robotics for other models Datasheet or to design custom

## How We Differ

### FULL X, Y, Z, RX, RY, AND OD

- Our system takes into account any off-axis misalignment in your process allowing us to fix your drilling in Rx and Ry, and eliminate typical drilling process inaccuracies.

### NO CALIBRATION REQUIRED

- Lucana Aero sensors are calibrated on site in the factory, and require no calibration to be done at your plant.

### NO PROGRAMMING REQUIRED

- No need to spend time tinkering with vision algorithms

### HIGH SENSITIVITY

- Update your process with our Lucana Aero sensor, and see for yourself that we have the most accurate measurement solution on the market.
- 0.0005" of accuracy.
- 0.02 Degrees of accuracy.

DATA	VALUE
Sensitivity	0.0005", and 0.02 Degree
Communication	Talks to any robot/automated system <ul style="list-style-type: none"><li>- Kawasaki</li><li>- Kuka (xml)</li><li>- Fanuc</li><li>- ABB</li><li>- Comau</li><li>- Custom</li></ul>