



**Description:**

This tool will find the center of a circle using a bounding circle as a search region. The segment length is calculated from the outer diameter of the bounding circle. If a hole is placed in the search region making a doughnut, the segment length is calculated from the inner circle to the outer circle.

**Ports:**

<b>Name</b>	<b>Type</b>	<b>Description</b>
Input Image	Image	Image used for processing.
Tool Origin	Origin	Tool reference origin.
Inner and Outer Circles	Shape List	Search region used to find the center of the circle. Placing an inner circle (hole) inside the outer circle will allow that area to be ignored. This would be used when trying to find the center of a ring.
Circle Scan Type	Integer (Enumeration)	Define the color of circle to find. (Dark Circle Scan Out, Dark Circle Scan In, Bright Circle Scan Out, Bright Circle Scan In).
Found Circle	Shape List	Bounding circle of the found circle.
Center of Circle	Origin	Center of the found circle.