

K-VISION CAMERA

The K-Vision package is a fully integrated hardware and software solution that allows for accurate cutting of digital printed graphics. This process starts with a nozzle mounted camera which automatically measures the dimensions between registration marks on printed materials. The system then uses these measurements and the registration marks of the original cutting file to compensate for distortion and rotation. The slight adjustments that k-vision makes to the cutting file results in a perfectly matched cutout in the material being processed. The entire camera system can be easily removed and stored in a protective box when not in use. The k-vision option can be integrated onto any of Kern's laser systems.



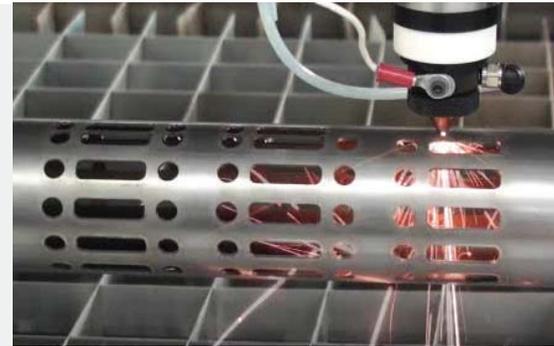
PIPE ROTARY

A rotary attachment can be added to any of Kern's laser systems for processing pipes, rods and other cylindrical items. The rotary device is driven by a high resolution servo motor resulting in smooth and accurate cutting performance. Two different rotary setups are available to choose from.

The Chuck Rotating setup implements a lathe chuck to firmly secure the pipe in place. A tailstock is pushed up against the opposite end to keep the pipe rotating on center as it is cut. The tail stock can be adjusted on a rail for different lengths of pipe. Adjustments to the rotary chuck can be made to accommodate pipes with a diameter of up to

6 inches. The pipe cutting device is commonly used by manufacturers of motorcycle exhausts, large filters and pipe joints.

Kern offers an alternative rotary device which uses rollers to spin a cylindrical item allowing engravings to wrap around the entire outside surface. There is no chuck and tail stock holding the ends of the product. This allows the laser head full access to the extents of the cylindrical item. This rotary is ideal for engraving applications that require the entire surface of the product to be engraved. Adjustable rollers can be moved to accommodate a variety of different sized products. Common applications for this roller rotary are walking sticks, canes and flash lights.



Kern also offers custom rotary devices which are built for a variety of applications. If you have an idea for a custom rotary device please contact a friendly sales associate.

Standard Rotary Specifications

Chuck Rotary	52" Wide X-Axis		60" Wide X-Axis		80" Wide X-Axis		100" Length Y-Axis		120" Length Y-Axis	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
Maximum Pipe Diameter	6	153	6	153	6	153	6	153	6	153
Maximum Pipe Length	36	914	44	1117	64	1625	100	2540	120	3048

Roller Rotary	52" Wide X-Axis		60" Wide X-Axis		80" Wide X-Axis	
	inches	mm	inches	mm	inches	mm
Maximum Pipe Diameter	3	76	3	76	3	76
Maximum Pipe Length	52	1320	60	1524	80	2032



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