



**SUPPLIED WITH VARIABLE SPEED DRIVES ON ALL STATIONS**

## Machine Features

- TAKES ROUND TUBING FROM A SPOOL OR ROUND TUBULAR HEATING ELEMENTS AND RESHAPES THEM INTO DIFFERENT OVAL FORMS
- TAKES ROUND SOLID ROD FROM A SPOOL & STRAIGHTENS IT
- OFFERS A STANDARD CUTOFF SYSTEM THAT CUTS TO A DESIRED LENGTH
- INTERCHANGEABLE VEE INSERTS FOR VARIOUS DIAMETERS OR FORMS
- PLC & TOUCHSCREEN CONTROLS FOR EASY OPERATION OF MACHINE



Tube Reshaping/Rod Straightener Machine & Cutoff System



Vee Insert

The Oakley Tube Reshaping/Rod Straightener & Cutoff System is designed to offer two different capabilities: First, our machine can take round tubing from a spool or round individual tubular heating elements and reshapes them into different oval forms. When tubing is reformed, the tubes are then transferred automatically to the cutoff system where they are cut to the desired length. Second, our machine can also take round solid rod from a spool, straighten it, and it is transferred automatically to the cutoff system where it is cut to the desired length.

The reshaping and rod straightening machine comes with a touchscreen control and six variable frequency speed drives controlling either the four or six motors for each of the roll stands. The touchscreen allows the operator to adjust the motor speed for each station independently or globally to ensure the ratios of the product speed passing through the machine matches the roll speed. This global speed change allows our machine to achieve an optimum production rate.

Our cutting system is an abrasive type that is supplied with a vacuum to catch the debris from the blade when the material is cut. The cutoff is supplied with a PLC and touchscreen controls in which the cut length can be entered or changed. The product length is measured at the entrance of the cutoff and it is cut to the designated product length once the preset cut length is reached. The touchscreen also provides diagnostic tools for troubleshooting the cutoff system.

### Machine Specifications

	4 Station	6 Station	Tube Reshaping/Rod Straightener Machine & Cutoff System
<b>Length:</b>	1132mm (44.625")	1700mm (67")	4852mm (191") – 4 Station 5385mm (212") – 6 Station
<b>Width:</b>	1810mm (71.25")	Same	2438mm (96")
<b>Height:</b>	1105mm (43.5")	Same	1702mm (67")
<b>Weight:</b>	816 kg. (1800 lbs.)	1134 kg. (2500 lbs.)	2177kg. (4800 lbs.) – 4 Station 2495kg. (5500 lbs.) – 6 Station
<b>Electric Supply:</b>	220/380/440v – 3ph – 50/60hz		220/380/440v – 3ph – 50/60hz