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TUBE CUTTING LASER SYSTEM

17 February 2010

Han-Kwang USA has announced the immediate availability of its new Model TL 6015, a tube cutting laser system capable of handling 24ft long, 6.5in diameter workpieces up to 1/4in wall thickness in mild steel and 0.200in in stainless steel. It is equipped with a 2.5KW Panasonic laser and a Siemens 840D CNC to control all functions of the machine. The unit comprises an automatic bundle loading system with tube V-support, auto-centering rotary chucking system, laser cutting station and automatic parts removal station. Maximum positioning speed on this new laser system is 4700ipm for the X-axis and 120rpm for the rotary A-axis. Max acceleration rate is 1G, while the laser beam is precisely controlled by the unique Han-Kwang Auto Focus Control (AFC). This AFC technology allows the machine to automatically adjust the focal length of the cutting lens to accommodate variations in the materials being processed or changes in material feed, which eliminates the downtime normally associated with manual adjustments. A new generation of sensing board in the S5 laser cutting head on the TL 6015 translates into faster cutting speeds on round, square or rectangular shapes.

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