

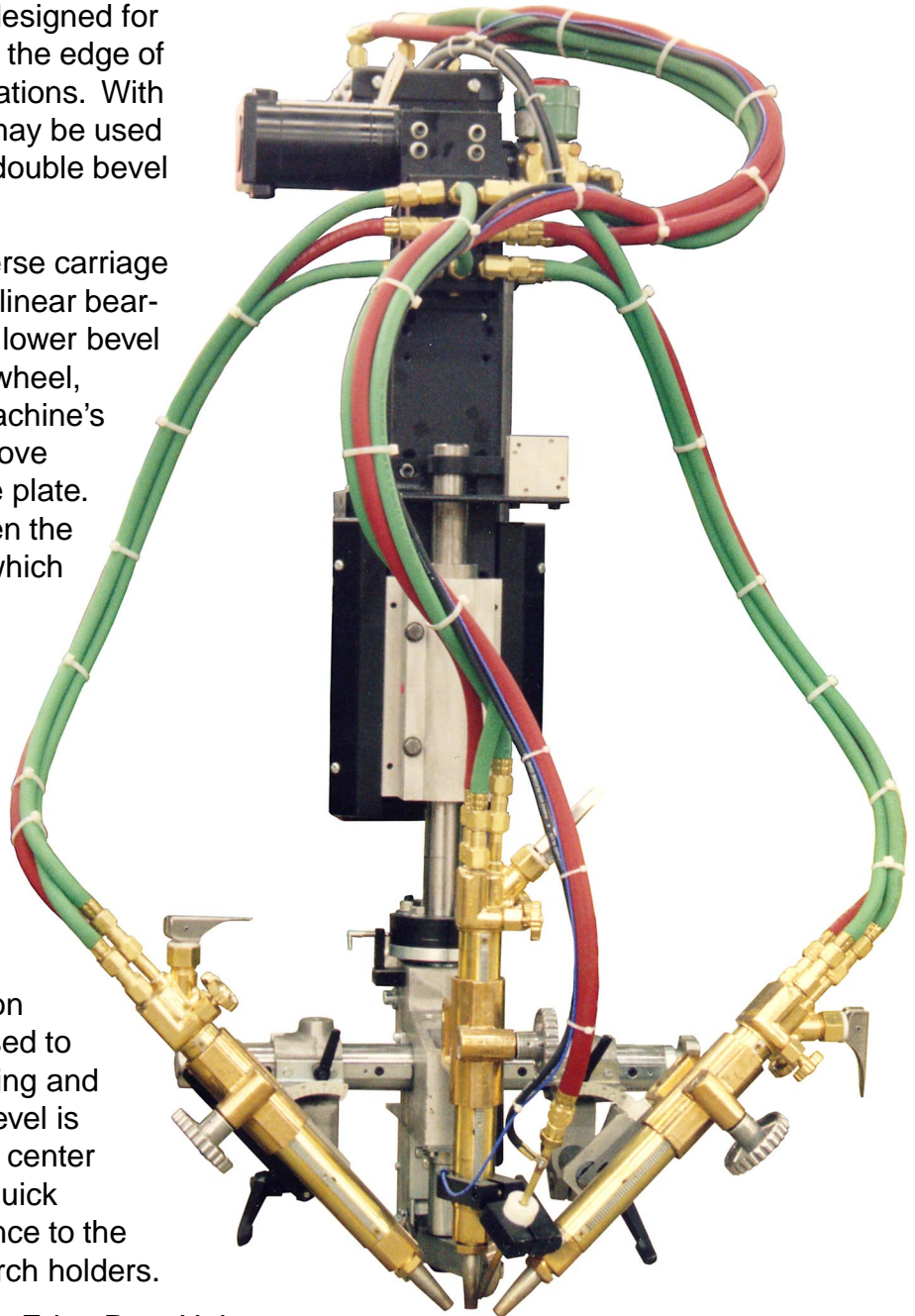
Plate Edge Prep Station

The Plate Edge Preparation Station is designed for use on gantry cutting machines to bevel the edge of steel plate for subsequent welding operations. With various set-up configurations, this unit may be used for straight cuts, single bevel cuts, and double bevel cuts with or without a nose cut.

The system includes a standard transverse carriage assembly, a heavy duty motorized lift, a linear bearing slide, and the lower bevel unit. The lower bevel unit rides the plate on a stainless steel wheel, while the linear bearing transfers the machine's motion to the lower unit, allowing it to move freely in the vertical axis while riding the plate. An "off the plate" switch is activated when the unit approaches the edge of the plate, which locks the linear bearing in place via a pneumatically operated clamp. In this manner the torches are prevented from dropping to the plate as the plate riding wheel leaves the end of the work piece.

The entire lower assembly may be manually turned 90° in either direction for longitudinal or butt cutting. Torch positioning is accomplished by adjustments on this assembly. Torch carriers on opposite sides of the lower frame are used to adjust the lateral positioning of the leading and lagging (bevel) torches. The angle of bevel is adjustable on the two bevel torches, the center torch is fixed. Locking levers allow for quick changes to each adjustment. The distance to the work piece is controlled by individual torch holders.

For more information regarding the Plate Edge Prep Unit, and how it can enhance your cutting operation, please contact your ESAB Cutting Systems Representative.





**ESAB - Your Partner
in Welding and Cutting**



In U.S.A.

411 S. Ebenezer Rd
P.O.Box 100545
Florence, SC 29501-0545
Phone (843) 664-4394
Fax (843) 664-4403

In Canada

6010 Tomken Road
Mississauga, Ontario L5T 1X9
Phone (905) 670-0220
Fax (905) 670-4879

In Mexico

AVE. Diego Díaz de Berlanga No. 130
Col. Nogalar
San Nicolas de los Garza, N.L. 66480
Monterrey, Mexico
Phone 52-8-305-3700
Fax 52-8-350-5920

www.esabcutting.com