

Dual disc flat finishing for maximum radiusing

We have flat aluminum $\frac{1}{4}$ " plates in 4" x 72" strips and various laser-cut shapes 8" diameter and smaller. Our application requires a large .025 to .030 edge radius and laser edge cleaning for a pre-paint finish. What type of finishing system would help achieve our objectives?

There is a new type of in-line radius system available recently that uses dual horizontal rotating discs. The dual head allows two different types of discs used for one pass of the part that does an excellent job of radiusing and edge clean-up.

The first disc head can be fitted with a conventional surface conditioning disc and the 2nd head can utilize an abrasive/non-woven material.

The bottom conveyor runs the part through the overhead positioned dual disc heads. These systems can be built with a narrow 12" disc up to 39" wide dual oscillating disc machines. They can also be built with disc heads on the top and bottom allowing both side processing with one pass.

The disc head technology has been around for a number of years using planetary and single rotating discs. I think the flexibility of using two separate disc heads allows increased radiusing and edge work.

