

# PLASMA CUTTING TABLE WELD SLAG PROTECTION



## CASE STUDY

Manufacturer saves time, costs, and resources by using E-WELD PLASMA™ instead of changing out cutting table slats.



**Up to 37K**  
Projected Annual Savings



**250%**  
More Life Out of  
Plasma Tables



### CUSTOMER

Designer and manufacturer of conveyor systems in the Southeastern U.S.

### INDUSTRY

Metal fabrication

### APPLICATION

Weld preparation & spatter removal

## ISSUE

Manufacturer was changing out cutting table slats due to overaccumulation of slag which incurred high re-occurring costs.

The user had a total of 18 plasma cutting tables, with over 40 slats each. Due to the accumulation of slag and spatter, the user had to change slats of the cutting tables every 4-6 weeks. This regular disposal and replacement of slats not only meant a significant amount of waste but also a minimum investment of up to \$55K annually on steel to cut into new slats.

*Equipment life doubled due to protection from slag buildup*

## SOLUTION

WALTER provided one unit of E-WELD Plasma™ and it extended the life of the slats by up to 250%, and led to significant cost savings.

E-WELD Plasma™ was applied to only one of the end user's 18 tables to evaluate the difference over time. The result was a significant reduction of the adherence of spatter which extended the life of the slats by up to 250%. leading to savings of up to \$37K.



BEFORE



AFTER

*Up to 37K in yearly savings thanks to the E-WELD Plasma™*

*Increased slat life and minimized costs for slat replacements.*

*Reduced waste*

*Enhanced productivity*



## FEEDBACK From the field

“WALTER's E-WELD PLASMA™ increased the end user's production time on the cutting tables. Downtime and slat replacement were minimized with the application of the product. They are going to apply E-WELD PLASMA™ in both facilities for increased protection and production!”

JEFFREY WEWETZER  
Business Development Manager  
WALTER Surface Technologies

## TAKEAWAYS

WALTER was able to provide a successful solution that helped the user work better and benefit from significant cost savings by extending the life of their equipment, as well as from an increase in productivity by reducing the time spent replacing table slats, extending the life of their equipment and thus positively impacting productivity.

In addition, WALTER's team regularly checks in with the user to ensure maximum satisfaction. This motivated the user to consider using E-WELD Plasma™ on the other 17 plasma cutting tables in the plant, further strengthening the relationship with WALTER.