

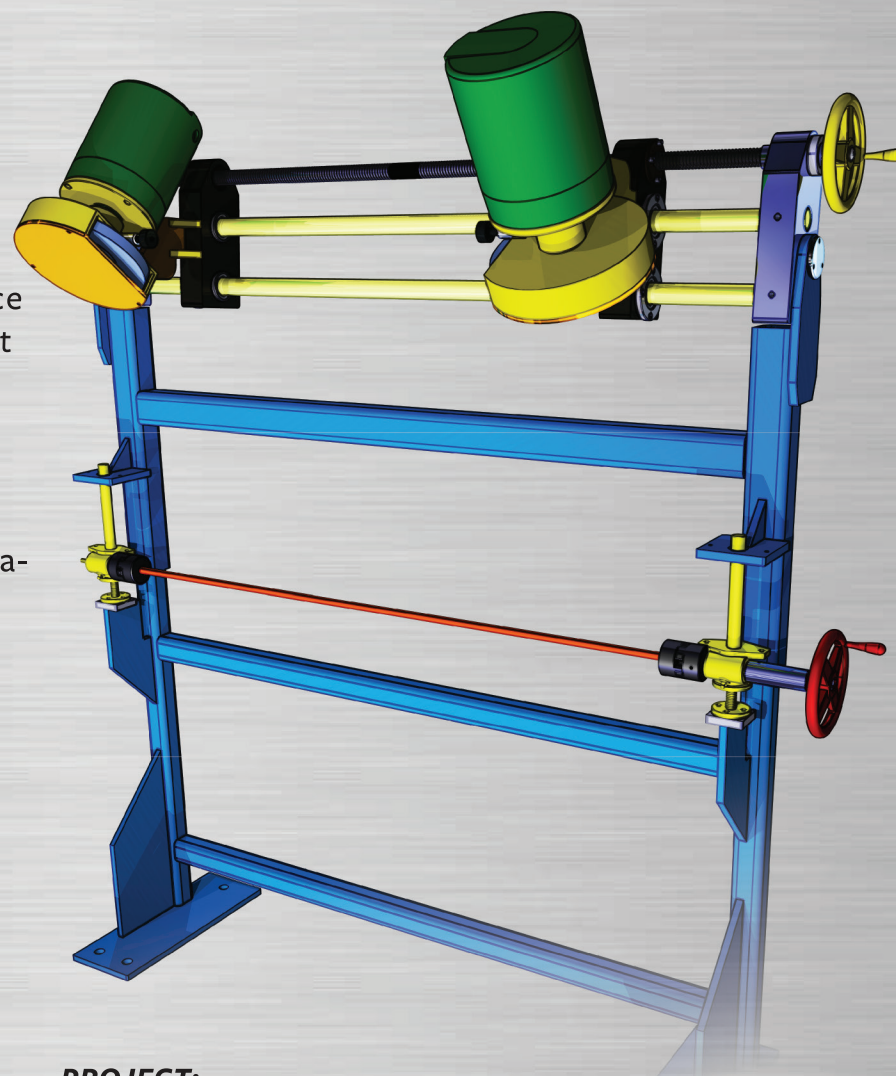
PROJECT:  
**EDGE BRUSH**

**CHALLENGE**

End user expressed concern with contaminated edges. Needed a device to clean edge of strip on plate steel at entry to ERW Mill. (Cleans rust, dirt, debree, etc.)

**SOLUTION**

H&R manufactured an apparatus capable of effectively cleaning sides of plate steel entering mill forming section.



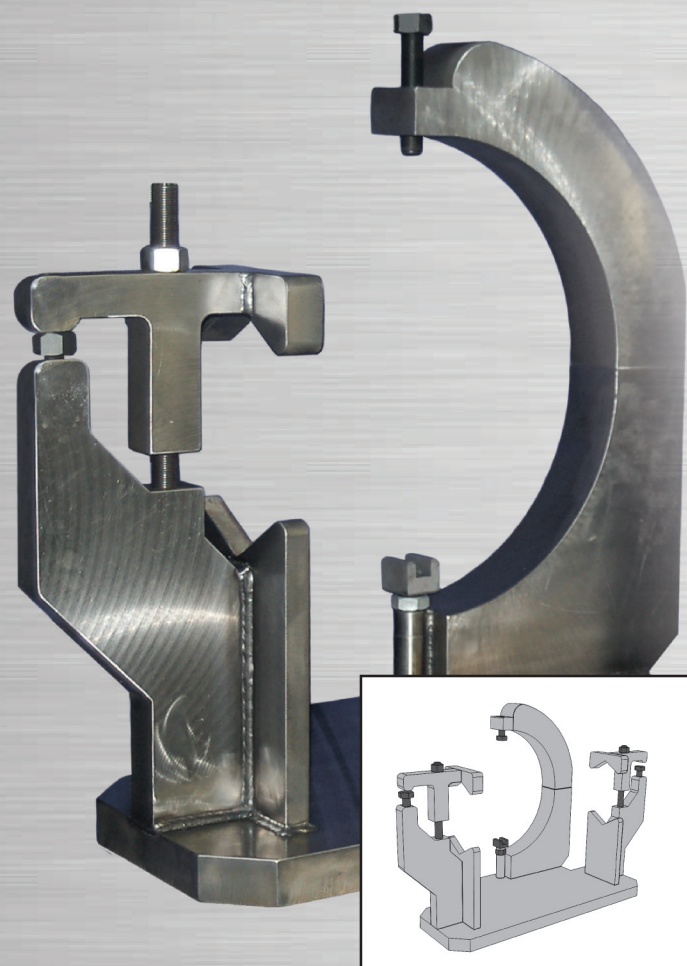
PROJECT:  
**CUSTOM FIXTURE**

**CHALLENGE**

The client had a casting of a special valve that needed to be machined in two operations. This required the casting to be held securely while being machined in two different positions in such a way that wouldn't affect either operation.

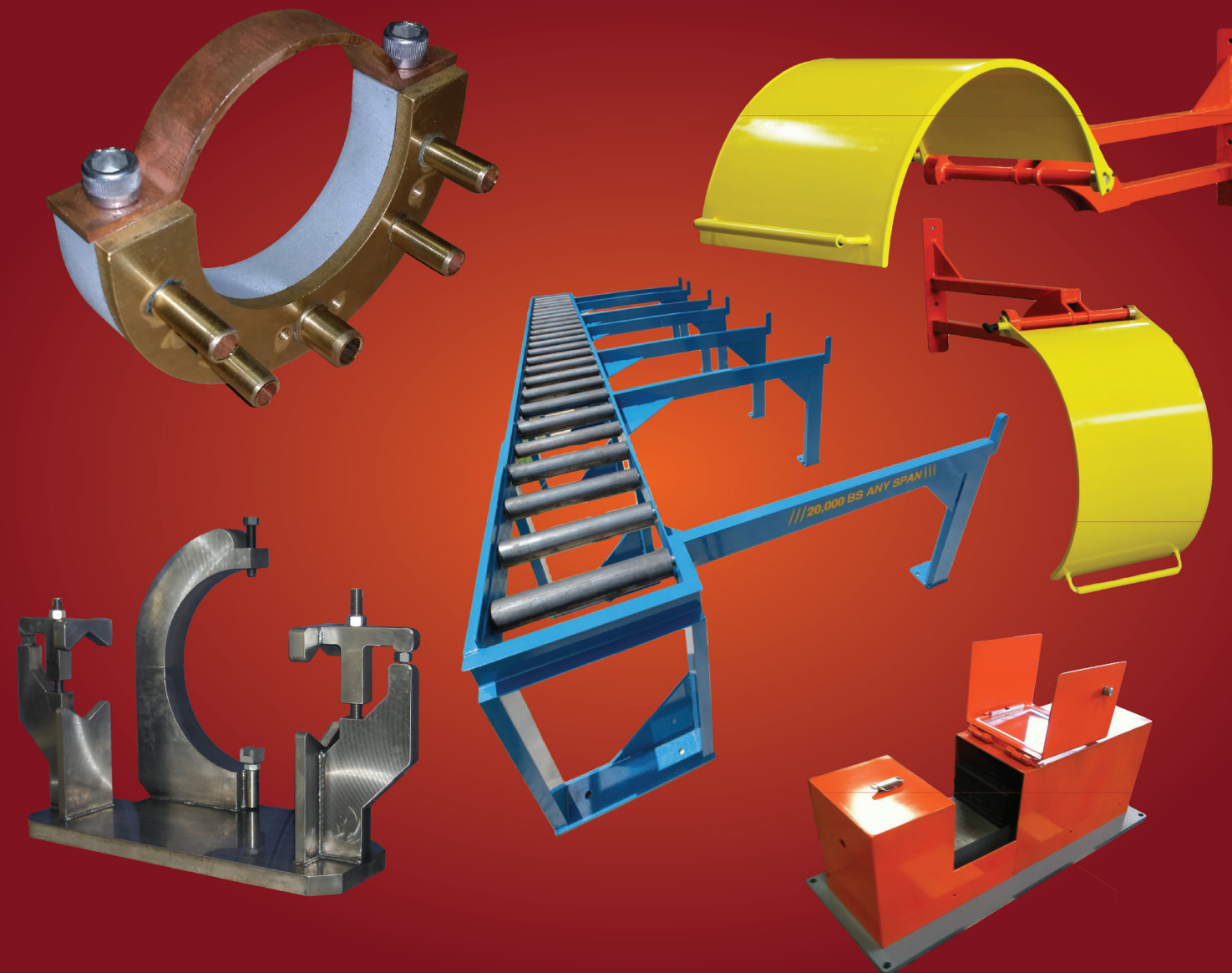
**SOLUTION**

H&R acquired a solid model drawing of a part from the customer, then designed and built the required apparatus around this specification. The project was completed in less than 4 weeks time from start to finish.



# CUSTOM

## DESIGN & ENGINEERING



**H&R Mfg. and Supply, Inc.**

*The Workholding Authority*





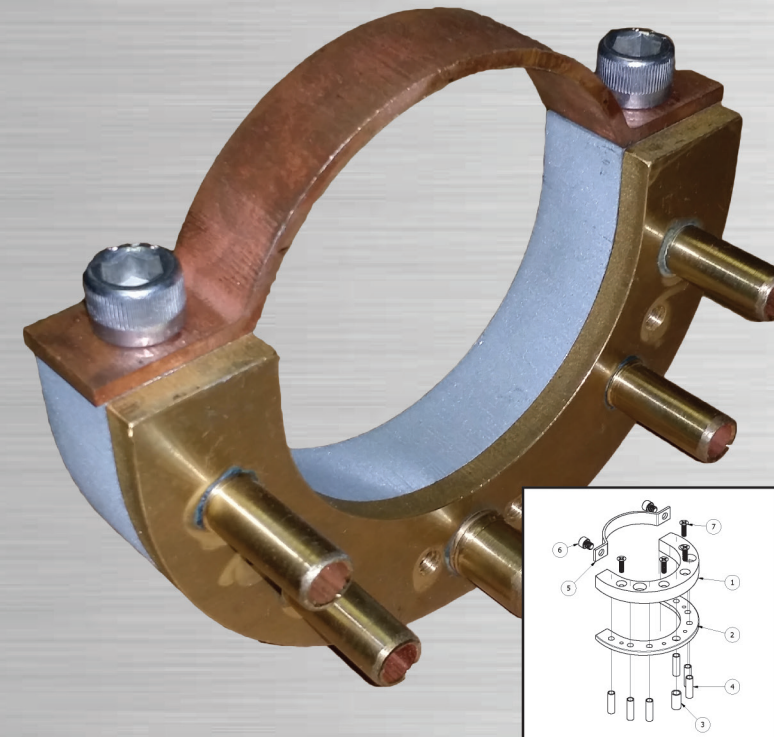
PROJECT:  
**CHUCK GUARD**

**CHALLENGE**

Oil was escaping the chuck area of the lathe into the walkway of the operator.

**SOLUTION**

H&R met with the client and discussed the safety problem with the end user; designed and fabricated the lathe guard and installed device at customer location.



PROJECT:  
**WATER HEADER**

**CHALLENGE**

The client needed help improving supply and satisfying demand over an OEM supplier.

**SOLUTION**

H&R was able to reverse engineer and manufacture the part using our automated production technologies.

PROJECT:  
**SAW ENTRY CONVEYOR**

**CHALLENGE**

The customer's material handling conveyor in metal prep department was damaged & weathered. It was also in need of a higher load rating.

**SOLUTION**

H&R assessed the project needs, then designed and built a new conveyor with higher load rating. The 4 sections of conveyor were installed by H&R on site.



PROJECT:  
**CRUSH PRESS**

**CHALLENGE**

The client requested a device that would allow employees to crush weld samples effectively and in a safe manner.

**SOLUTION**

H&R visited the client's facility and discussed existing techniques, then engineered a crush press with an enclosure door to allow employees to observe crushing process from a safe vantage point.

