

## PROJECT PROFILE

# Scrap Steel Baler Shear

**The Brandt Industrial Repair Service team delivers exceptional repairs to ensure our customers can get back up and running with minimal downtime.**

Whatever the industry, Brandt delivers unmatched end-to-end solutions, refurbishing components and equipment to OEM specifications or better.

## The Challenge

- A scrap steel baler shear was experiencing repetitive failure in several areas, resulting in unplanned equipment downtime and significant production losses.
- Brandt's on-site analysis revealed that the OEM clamp assembly design had insufficient surface contact with the shear frame, causing excessive axial movement and accelerated wear.
- In addition, there were several areas in the charge box and pusher assembly that were severely worn.



## The Solution

- Following the on-site analysis, Brandt engineers proposed a design modification to improve clamp assembly performance and optimize the shearing operations.
- Replaceable bronze wear pads for the sides of the baler clamp were designed, to provide increased surface contact and minimize wear.
- Welding product specialists provided a solution for the on-site repair of wear points inside the charge box and pusher assembly, delivering increased wear resistance.

## The Result

- ✔ **Reliability**  
The upgrades resulted in a significant improvement in mean time between failures (MTBF), resulting in increased operating hours for the equipment.

- ✔ **Productivity**

The clamp assembly modification led to increased productivity for the operation, through an increase in tons per hour processed.

- ✔ **Total Cost of Ownership**

The increased wear resistance and addition of wear pads resulted in an immediate and permanent reduction in downtime and production losses.

The improved MTBF paired with the ability to perform on-site repairs contributed to lower operating costs for the operation.

With 24/7/365 support, Brandt will always be there to help ensure the success of our customers, day or night.

**It's what we do. We build confidence.**

