

PROJECT PROFILE

KalTire Reactor

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

- At a customer OTR tire recycling facility, the reactor furnaces were experiencing significant and recurring operational failure.
- This facility, located in South America, was no longer supported by the OEM for engineering service and support.
- The OEM equipment was experiencing significant downtime resulting from excessive wear in the reactor drive system, leading to catastrophic failures.

The Solution

- Brandt performed a remote root cause analysis, following clear and extensive communication between the customer and the Brandt engineering team.

- Brandt proposed a redesign of the affected components which would be shipped to the site and field installed using local tradesmen.
- The upgrade kit included redesigned drive components with an improved performance rating, replaceable wear plates, and detailed installation instructions.

The Result

- ✓ **Productivity**
The upgrades resulted in a significant improvement in mean time between failures (MTBF), resulting in improved system productivity.
- ✓ **Safety**
Improvements to the component design had a direct, positive impact on facility reliability by eliminating the repetitive failure point.

✓ Total Cost of Ownership

The redesigned OEM components resulted in an immediate and permanent reduction in downtime and production losses.

An efficient and effective design allowed the upgrade to be installed at the lowest cost, ensuring quality with Brandt manufactured parts and installed by the customers' on-site team.

Replaceable wear pads reduced the cost of equipment operation by eliminating full component replacement.

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.

