

# CASE STUDY

## IN HOUSE MACHINING FOR FASTER TURNAROUND

H-E PARTS INTERNATIONAL (H-E PARTS) OFFERS SPECIALIZED MAINTENANCE SERVICES FOR ALL YOUR MINERALS PROCESSING EQUIPMENT AND COMPONENTS. H-E PARTS OFFERS TAILORED SOLUTIONS THAT PROVIDE ADDED VALUE BY EXTENDING SERVICE INTERVALS, IMPROVING PLANT PERFORMANCE AND PRODUCTIVITY, WHILE REDUCING DOWNTIME AND ASSOCIATED LIFECYCLE COSTS.

Newmont Boddington (Newmont) recently had a Metso MP1000 adjustment ring in for repair at our Crushing Solutions branch in Naval Base, Western Australia, Australia. The adjustment ring required repair works such as:

- Full assessment prior to repair including 3D laser scanning of worn areas to determine repair scope
- Pre machine of all worn areas and weld build up as required
- Non destructive testing (NDT) and post weld heat treatment (PWHT) after repairs
- Supply of all replacement parts required
- Machine threads, seating face and internal faces and all welded locations

All work was completed in-house including the required machining, which was performed at H-E Parts Engineering division. The ability to manage the complete process and manufacture the component provided Newmont complete transparency of the scope of works, a component re-manufactured back to zero hours, expedited service delivery and a lower total cost of ownership over purchasing a new component, that H-E Parts can also provide. Our service teams comprise of manufacturing, engineering, off-site workshop repairs, on-site service functions, specialize in minerals processing and handling applications and are dedicated to increased safety, efficiency and risk prevention.

### H-E PARTS ENGINEERING

Our H-E Parts Engineering branch has invested in some of the largest and most advanced equipment seen in Western Australia, and we possess the experience and capability to carry out superior work in a fast turnaround environment. Major mining machining already completed includes crusher heads and bowls, adjustment rings and shafts. H-E Parts Engineering are capable of providing machining for some of the largest mining, marine and oil & gas components required by the Western Australian market. With H-E Parts Engineering proven mineral processing engineering, wear material supply and associated service capabilities, combined with in-house machining provided by H-E Parts Engineering, will provide a superior, cost-effective solution for our customers in the West Australian market and facilitate beneficial synergies that will deliver increased value.

H-E Parts International replacement parts are compatible with the makes and/or models of the third-party equipment described. H-E Parts International is not an authorized repair facility of these third parties and it does not have an affiliation with any manufacturers of these third-party products. All brands, original equipment manufacturer (OEM) part numbers or references are owned by the respective OEM entities or their affiliates. These terms are used by H-E Parts International for identification and cross reference purposes only and are not intended to indicate affiliation with, or approval by the OEM, of H-E Parts International or its products.

<b>CUSTOMER</b>	Newmont Boddington
<b>LOCATION</b>	Western Australia, Australia
<b>APPLICATION</b>	Gold Mine
<b>PRODUCT</b>	Metso MP1000 Cone Crusher

