

MINING WEAR PARTS (MWP), IS A **NATIONAL SUPPLIER** OF **HIGH-QUALITY** AFTERMARKET CRUSHER AND PUMP PARTS

Our engineering teams have the latest equipment and technical ability to scan, reverse engineer, predict life, and propose liner improvements to support your desired outcomes, whether extended life, improved throughput, or product shape. We work with your data, our partner foundries, and our quality team to ensure the final product meets or exceeds your expectations.

METHODICAL ENGINEERING

Our engineering team continuously works on innovative designs and materials to improve products and maximize our aftermarket parts' value. We follow the Six Sigma methodology in design engineering to provide a consistent and practical approach to maximize the life and usability of our aftermarket parts. We continue to improve our processes to help customers realise cost-effective solutions that extend life through clever design and thorough quality inspections.

ENGINEERING SOFTWARE

The benefit of accurate 3D scanning in conjunction with our predictive software is that you receive an improved liner profile suited to your application, that will fit as expected. The added ease of installation means equipment is up and running faster, providing you with a convenient and reliable solution. Our team uses the latest recommended 3D analysis software and quality control software to identify potential design concerns before casting the part. The software allows our teams to make designs as accurate as required to realize the perfect fit and profile. When it is time to cast the liner or part, we are confident knowing that the drawings provided will result in an accurate fit, correct profile for the application, and of high-quality thanks to the mature relationships we have with our foundries.

ON-SITE SCANNING

We can perform on-site scanning of chutes, train loaders, gyratory crushers, and other significant parts using our portable 3D laser scanner. This scanner provides highly accurate 3D scans of the part in its worn state. 3D scanners help to provide wear patterns and the life of liners in situ. Scanning equipment in situ helps our teams understand the required fit and individual application before working on a solution. We can schedule scanning as per site shut down maintenance, thereby causing no hamper in production.



3D SCANNING FOR REVERSE ENGINEERING (HEXAGON ARM & 3D LASER SCANNER)

Our engineers conduct all in-house inspections using our Hexagon scan arm for an accurate understanding of the liner returned for reverse engineering. By identifying the current wear pattern, we can see what improvements are required to help you achieve your goals.

The accuracy provided with these 3D scans means there is no guesswork when designing and then casting the product

We remove all concerns and uncertainties in the development process so that you receive on-site liners that fit as expected and perform above their previous sets.