



- ❖ Maximize your crushing and conveying process to improve operation efficiency and increase product recovery!
- ❖ Split-Online® is the industry approved standard for automated rock particle size determination that has been installed at more than 90 operations with over 290 camera locations on five continents!



New Release 4.0 – Enhancing the industry’s most comprehensive rock fragmentation software solution for automated particle sizing.

Split-Online® 4.0: Developed by Split Engineering, the new Split-Online® Version 4.0 is an automated digital image analysis system designed to offer continuous, accurate, and rapid measurement of rock fragmentation. Cameras are installed along key stages of the crush, convey and milling processes to determine rock fragmentation size. The critical data for mining operations including particle size, shape, color and texture are calculated by the industry’s most advanced Split algorithms and are reported to the mine control systems and databases to enable real-time evaluation by mine operators and management.



Benefits from using the Split-Online System at your operation from mine to mill:

- **Automated system that does not disrupt operations.**
- **Real-time particle size data to monitor operation performance.**
- **Split Engineering provides the complete solution with software, hardware and installation that is customized to the operation.**
- **Produces accurate data that enables historical data analysis.**
 - **Enables early detection of equipment wear and failure.**



- **Reduced energy costs.**
- **Lower maintenance costs.**
- **Greater flexibility for operations.**
- **Reduced downtime due to maintenance.**
- **Optimized rock particle size to improve production.**
- **Understanding ore size enhances process control decisions.**



Result = Increased Product Recovery and Reduced Operational Costs

Split Engineering is a customer-oriented company dedicated to providing quantifiable fragmentation of the highest integrity to enable process management and control. The Split software is the product of over 8 years of university research and development and over 10 years of industry application and further development to provide the most effective solution for our customers.



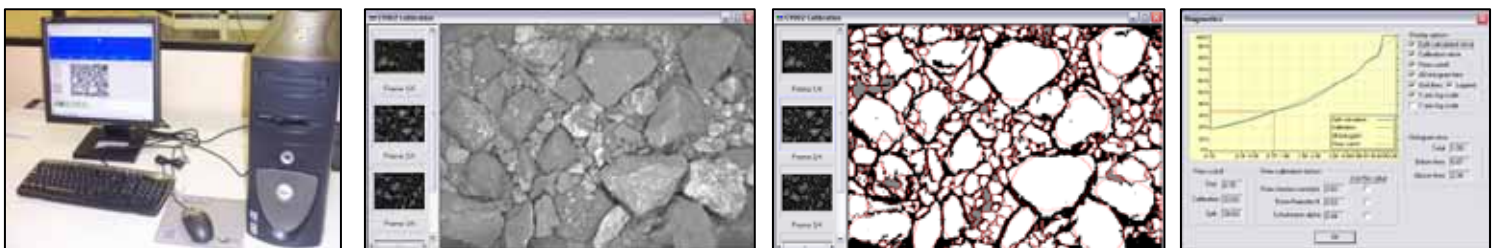
Hardware:



Split-Online®4.0 Features:

- Proprietary software with superior edge detection of rock particles that took over eight years to research and develop by university rock mechanic specialists. Ten years of industry application have resulted in further advancement of the software with continued development and advancements in technology.
- Real-time processing of frame images in less than 1 second to enable immediate evaluation and responsiveness by mining operations.
- Applied to feed and product belts of primary, secondary and tertiary crushers, SAG and AG mills, HPGRs, scrubbers and screen deck feed and product, as well as truck dump bay locations in specific situations.
- Split Engineering's complete offering including software, hardware, installation and customer support that improves service to customers and establishes closer partnerships by providing operational information.
- Split Engineering's commitment to customer service, continued development and the desire to integrate customer suggestions to create new features for the software.
- Size, Shape, Surface Area and Average Volume calculations with improved plots and graphical outputs.
- Calibration feature that enables the Split-Online results to be synchronized with laboratory results to minimize processing error.
- Easy access to information with numerous standard output options and industry specific outputs and customizations, enabling seamless connectivity to control systems and databases utilizing OPC.
- System scalability and expandability, up to eight camera monitoring points per system.
- Automated features such as fines identification, delineation parameters, image quality check, advanced shadow algorithms, and motion detector.
- Operating system conformity with the latest O/S available: Microsoft Windows XP and Vista.
- Multi-language support (English, Spanish and Portuguese).
- IP camera compatibility.

Software:



Clients Benefitting from Split-Online®:

Anglo American ♦ AngloGold ♦ Asarco ♦ Barrick ♦ BHP-Billiton ♦ Codelco ♦ De Beer's ♦ Freeport
McMoRan ♦ Newmont ♦ Newcrest ♦ OZ Minerals ♦ Rio Tinto ♦ Teck ♦ Vale Inco ♦ Xstrata



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