

# Raw Material Vertical Roller Mill Reconditioning by IPM



## About In-Place Machining Company

*In-Place Machining Company designs and develops specialized machine tool systems, and provides precision on-site machining and measurement services to a wide range of industries including Steel & Aluminum Production, Nuclear, Fossil, Hydro and Wind Power Generation, Marine, Pulp & Paper Manufacturing, Petro-chemical, Infrastructure, Mining, General Manufacturing, and Scientific and Military customers. With over 100 employees in multiple locations around the USA, and perhaps the largest inventory of dedicated on-site machining systems in the country, In-Place Machining Company is ready to serve you In-Place... Any Place In The World.*



## IPM Machines the Liner Area and Adjacent Surfaces on a Cement Mill Grinding Table

**M**issouri — In-Place Machining Company innovates again! Tasked with refurbishing the liner seat surface on a Combustion Engineering **cement mill** grinding table, IPM successfully machined, on-site, the 14-foot diameter cone shaped surface to OEM specifications. Work



*Field Machining Equipment Installation and Alignment*

was performed with no modifications to the table for equipment attachment, allowing for exceptionally fast setup and **alignment, on-site**. All **field machining** equipment used to perform the work was designed and manufactured by IPM. Due to the amount of wear and previous weld repairs, over a 1/4" of material was removed from



*Grinding Table Liner Seat Area Repair*

the surface. Despite the additional stock removal needed, all work was completed on schedule. This allowed for the repairs to be completed during the

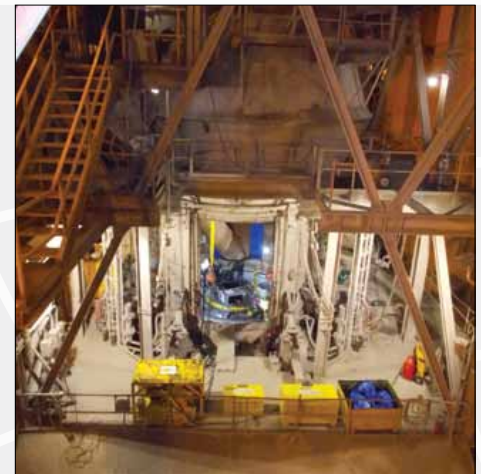


*Precision Milling and Boring of Retaining Ring Fit*



*On-Site Milling of Bolting Flange*

planned outage. In-Place Machining Company's **field machining** technicians worked 24 hours a day until project completion. In conjunction with the **liner seat machining**, IPM also repaired a series of drilled and tapped holes. Cement manufacturing facilities worldwide depend on In-Place Machining Company to perform the most demanding, high tolerance, precision **field machining** projects.



*Cement Mill Grinding Table Field Machining*

**Contact IPM today at 414.562.2000** or visit us at [inplace.com](http://inplace.com) to discover the advantage of working with an industry pioneer with over 35 years of **on-site machining** experience.

QUALITY MACHINING  
IN-PLACE... ANY PLACE  
IN THE WORLD