DynaIndustrial

Step Filler Units

With our large boring mill capacity and decades of experience, repairs of step filler units are a great fit for DynaIndustrial!

A typical four hi mill stand consists of a mechanical screw, AGC capsule, a roll stack consisting of two backup and two work rolls. In the stack, a method must exist to compensate for backup or work roll wear as the rolls transition from new to scrap size. Sometimes this is accomplished by “shimming” at the bottom of the mill to a predetermined height based on various backup and work roll combinations.

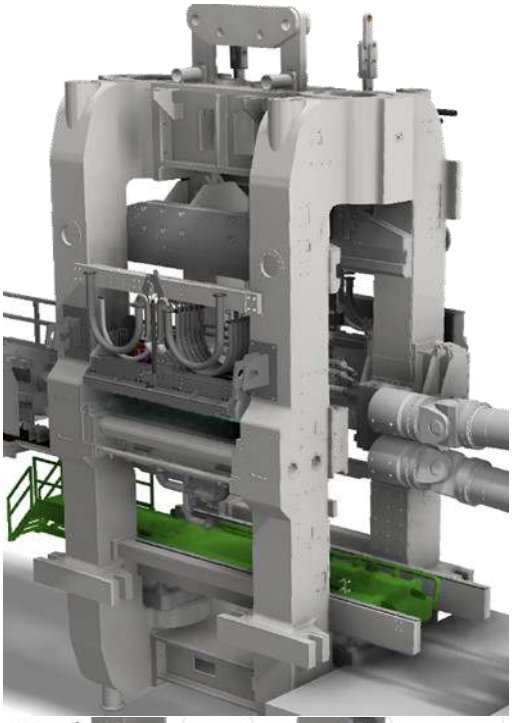
Maintenance of the shims is critical to the overall performance of the assembled mill stand. A poor or inconsistence stack will result in inconsistent mill stretch and possible downgraded product.

The shimming methods differ from one mill to next. In some cases, the method is manual, in others a mechanism is integrated into the mill stand, in still others the shims are integrated into a module. Modular units are sometimes referred to as a step filler unit.

DynaIndustrial has significant experience in the design and repair of step filler units. Over the past 20 years DynaIndustrial has made numerous modifications to step fillers based on onsite experience and teardown observations. Design changes include:

- Improved reliability
- Reduced water ingression
- Reduced removal and installation time
- Reduced rebuild costs by increasing component reuse

All units are numbered in order to develop a long-term history. Teardown inspection reports and final reports are generated for each unit.



DynaIndustrial
3326 Faithfull Ave | Saskatoon, SK | S7K 8H1 | (306) 933-4303
277 Sherwood Road, Box 438 | Regina, SK | S4P 3A2 | (306) 359-7088