

SOLIDS REMOVED AT STEEL MANUFACTURING PLANT USING LAKOS SEPARATOR



PROBLEM

Handan Steel not only produces 12 million tons of steel every year, but they also win national scientific, environmental, and technological awards while doing it. The HBIS Handan CSP Steel Plant in China is constantly working to improve the productivity of their manufacturing plants by improving technology, reducing energy use, and utilizing new and innovative equipment.

There are six grinding machines at the HBIS Handan steel plant for the company's steel rolling operation. Current standard practice is to filter the machine coolant through a magnetic separator, then a flat bed paper filter, and finally into a sediment sump. Leakage along the sides of the paper filter was a common sight, and the coolant was never properly filtered. As a result, the machine operation would be frequently disrupted and had to be manually cleaned every 40 days.

SOLUTION

A LAKOS ILB Separator was installed in the main stream after the sediment sump. The coolant is pumped into the ILB by the sump's pump. After leaving the ILB separator, the clean coolant then returns to the grinding machine for reuse.

OUTCOMES

Since the installation of the ILB, it has become an effective and economical addition to the plant:

- **Greatly reduced sediment deposits & paper filters are no longer required**
- **Tedious & regular manual cleaning of the sediment pump has been reduced**

Adding a LAKOS system costs less than you think

To get one customized to your needs, contact your local representative