

## Asian Cranes & Elevators



Ludhiana, India



**KISSOFT**  
Calculation program for machine design



KISSsoft - Gear Design Solutions

### Challenge

- To design crane duty gearbox confirming to ISO.
- Lowering the overall cost.
- Analysis of gearbox.
- Selection of gearbox according to application.

### Why KISSsoft ?

- Accurate gear geometry and strength calculation as per various standards like ISO/DIN/AGMA.
- Detailed analysis report.
- Improve communication with customers.
- Helpful in Product series development and catalogue preparation.
- Reduced expensive and time consuming physical testing.
- Support from Kadkraft to implement it successfully.

### Results

- Able to generate parametric gear box models for quick design finalization of gears, shaft and bearings with proper design calculations reports.
- Reduce in design time by 50%
- 20-25% saving due to optimisation of gear box components.
- Improved gear performance.

*"With KISSsoft we were able to design gearboxes with latest design & technology. As a result, we are producing better products at a very competitive cost."*

***Davinder Singh***

***Design Head***

***Asian Cranes & Elevators***