

ASHOK INDUSTRIES

Designing Double Wall Roller Bit Core Barrel with SOLIDWORKS Solutions



ASHOK INDUSTRIES is based in Mumbai & was founded by Mr. Ashok Waghela in 1987. They are the leading manufacturer and exporter of high quality and long lasting Piling Winch, Winches, Equipments, Hard Rock Cutting Tools, Pile Foundation Drilling Tools, Horizontal Auger Drilling Tools and Hydraulic Rotary Drilling Tools. They provide Complete Solution for Earth Drilling, Right from Machineries up to Drilling with High Quality Equipments using best quality material & technology from more than 2 decades. They cater largely to the infrastructure development industries and are recognized as one of the top quality leaders manufacturing high quality Hydraulic Rotary Drilling Tools & Foundation Piling Drilling Tools. Fostering advanced technology has further resulted in their global success.



Challenges:

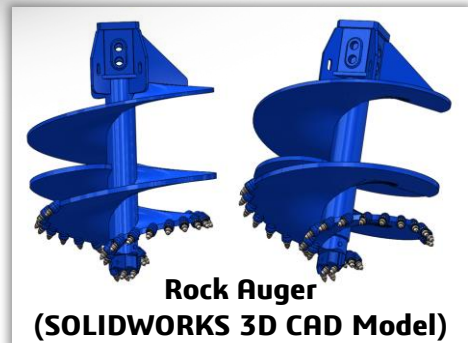
- ❖ Complex Drilling Tool Designs
- ❖ Shorten Design Cycles
- ❖ Reduce Time to Market
- ❖ User-friendly Interface

Solutions:

- ❖ Implement SOLIDWORKS Premium,
- ❖ SOLIDWORKS Simulation Professional,
- ❖ SOLIDWORKS Composer.

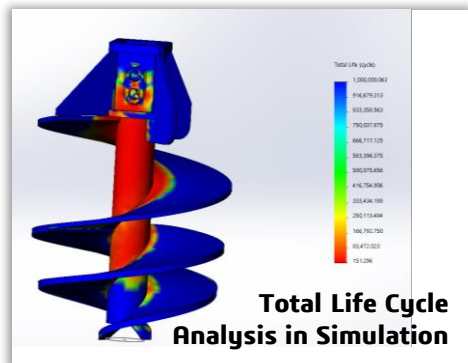
Benefits:

- ❖ SOLIDWORKS is a very User-Friendly Software for CAD Modelling.
- ❖ Simulation helps to check the Real-Time Conditions of the Products.
- ❖ Composer helps to create Catalogs to upload in site & to demonstrate in webinars.
- ❖ With the help of eDrawings, CAD Data could be carried on Phones for any outstation customers or webinars.
- ❖ Visualize is highly useful to create high level of marketing images.



Results:

- ❖ Reduced 60% in Design Cycles by using SOLIDWORKS.
- ❖ Accelerated Time-to-Market by 60% by using Visualize & eDrawings.
- ❖ 40% Reduction in Development Costs.
- ❖ 20% Reduction in Prototyping Costs by using Simulation.
- ❖ 60% Reduction in Scrap/Rework Costs.
- ❖ 30% increase in Gross Sales.
- ❖ Increased 60% Competitiveness in the Industry.
- ❖ Reduced 40% in number of Design Errors.
- ❖ Improved 40% in Handling of ECOs, in Cost Savings, in ECO Processing Time, or in the number of ECOs.
- ❖ 10% Reduction in the Time spent searching for Files or Recreating Designs/Documents.
- ❖ Increased 40% volume of Design Reuse which resulted in Time and Cost Savings.
- ❖ Decreased 10% Manufacturing Costs through Improved Revision Control.
- ❖ 40% Benefit in Product Development Processes, such as Purchasing, Estimating, Marketing, or Documentation.



“With SOLIDWORKS Solutions, we are able to visualize and materialize complex drilling tools design with ease. Very user-friendly software with great support from BEACON.”

- Mr.Gautam Waghela, Director, Ashok Industries

Ashok Industries

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