

Product News

GENMA Launched GSU Series Scraper Unloader

Edited by on 20. Jun. 2017

After two important milestones of mobile harbour crane and pneumatic ship unloader released in 2014 and 2016, GENMA launched the new product, GSU series scraper unloader recently. With no doubt, it is another historic moment for GENMA. GSU series scraper unloader is mainly used in grain and fertilizer terminal and applicable to the material in the shape of pellet and powder. GSU series can be applied to the vessel below 100,000 DWT while the capacity range is 300-1500 t/h. The first equipment successfully developed is GSU1000 with a capacity of 1000 t/h.

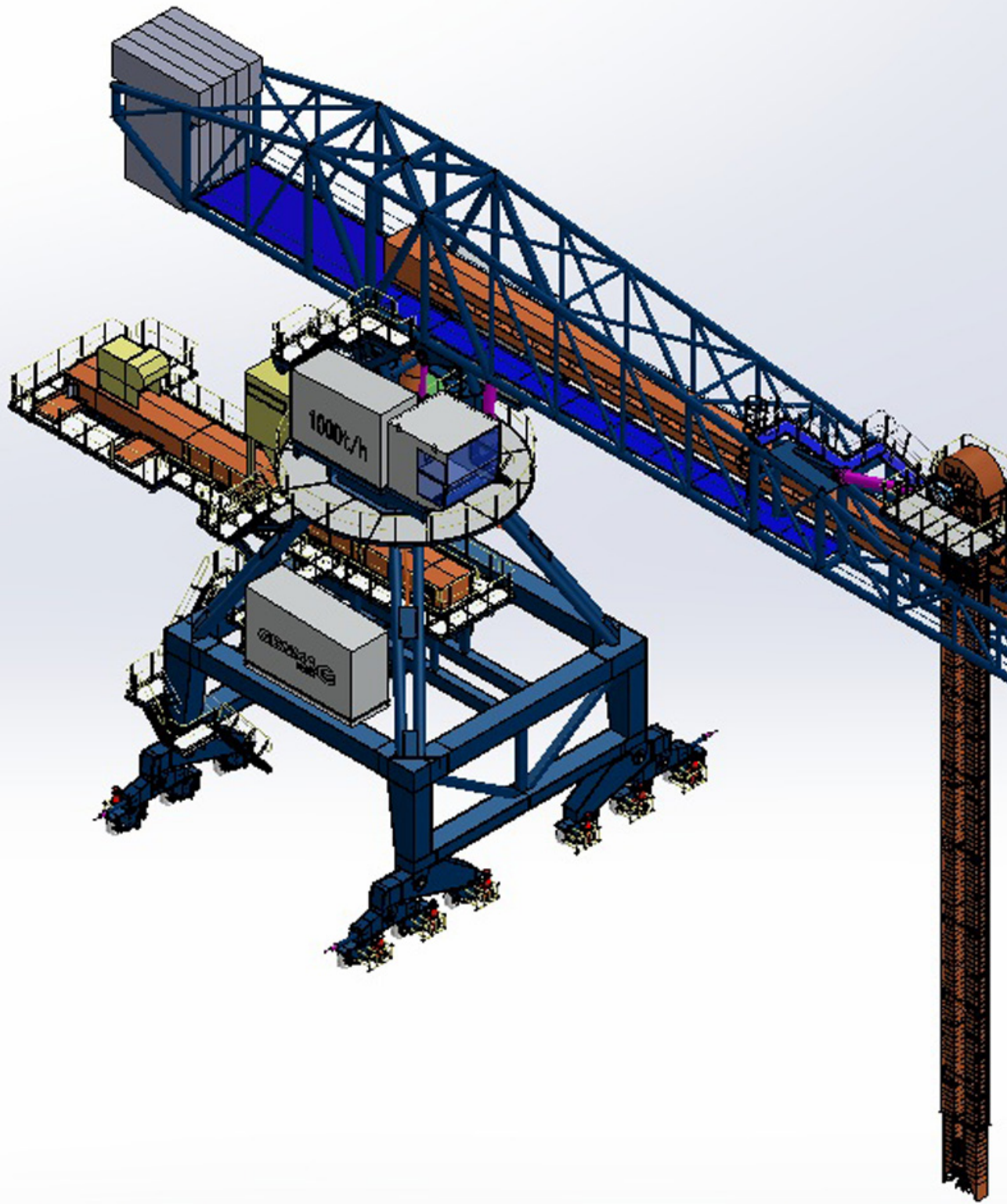


Figure1: GSU1000

DEM Analysis & Laboratory Mechanism Optimized the Unloading

Simulation During the R&D process, we invested with laboratory equipment to collect sufficient performance and parameter data. More than that, GENMA R&D team used the dem analysis to simulate the unloading condition and optimise the performance subsequently and continuously until the capacity optimally matched

with the installed capacity. **Efficient, Eco-friendly and Intelligent Equipment**

Scraper unloader is a kind of efficient mechanical continuous ship unloader (CSU), which is well known for its high efficiency and low energy cost. The practical capacity is nearly equal to 70% of the rated capacity, while the remaining amount of clearance is much lower than grab ship unloader. At the same time, the energy cost is around 0.4 kWh/t. Besides this, the closed-loop conveying condition will insure the dust-free operation thus the environment is well protected. Besides above efficient and eco-friendly characters, the R&D team also considered the intelligent demand of the market. GSU is easy to operate and rarely rely on the operator's skill and experience, truly fool-style operation. **Extended GENMA Product Line to Fulfil the Market Demand**

With GSU, GENMA could provide versatile CSU solutions to different clients in the light bulk conveying area, pneumatically or mechanically with a wide capacity range choices. **GENMA, Genius Machine**

GENMA, the brand belongs to [Rainbow Heavy Industries](#), named from "Genius" and "Machine", commits itself to providing intelligent and leading equipment in the material handling field. **About GENMA** GENMA, the brand belongs to [Rainbow Heavy Industries \(RHI\)](#), mainly provides material handling solution. Withhold the expert experience in container handling solution, GENMA is also expanding broadly in bulk handling business. The main products provided by GENMA includes: mobile harbour crane, pneumatic ship unloader, bridge-type grab ship unloader, scraper ship unloader , chain bucket ship unloader, mobile ship loader and environmental hopper etc. The headquarters of GENMA locates in Shanghai. The manufacture, technology and R&D center locates in Nantong, China. To better serve customers, GENMA set up sales and service contact office in Singapore, India and Canada. Besides that, our agent in Asia, Africa, South America and Middle East can also provide the service at the first time. Our specialty, your strength - GENMA's methodology is to help multi-industry clients benefit from our service.

[More information on Rainbow Heavy Industries-GENMA bulk](#)