



BRIDGECRANE SPIDER™

AUTOMATIC BRIDGECRANE
FOR BULK MATERIAL HANDLING

SPIDER SYSTEM
Powered by Entsorga

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THE **SPIDER™** IS AT THE HEART OF ALL THE ENTSORGA'S HIGH VOLUMES SYSTEMS FOR PROCESSING BULK MATERIAL. **FULLY AUTOMATED HIGH SPEED CRANE** ALLOWS FOR ROBUST AND ENERGY EFFICIENT MATERIAL HANDLING.

ENGINEERED TO HANDLE **WASTE AND WASTE DERIVED FUELS**, IT IS THE OPTIMAL SOLUTION FOR EFFICIENTLY HANDLING **LARGE VOLUMES OF BULK MATERIAL** AND ALLOW LARGER LOWER COST STORAGE CAPACITY WHEN COMPARED WITH TRADITIONAL SILOS SYSTEMS.

ENTSORGA
GREEN TECHNOLOGY REVOLUTION



FULLY AUTOMATED AUTOMATIC HANDLING SYSTEM, THE SPIDER™ GUARANTEES **FAST, PRECISE AND SAFE** MATERIAL HANDLING. A **PROPRIETARY SOFTWARE** PROVIDES HIGH LEVEL PERFORMANCE AND MAKES THE SYSTEM EASILY ADAPTABLE TO THE NEEDS OF THE MOST DIFFERENT USERS, FROM WASTE PROCESSING TO STORAGE OF LARGE VOLUMES OF ALTERNATIVE FUELS.

MAIN FEATURES

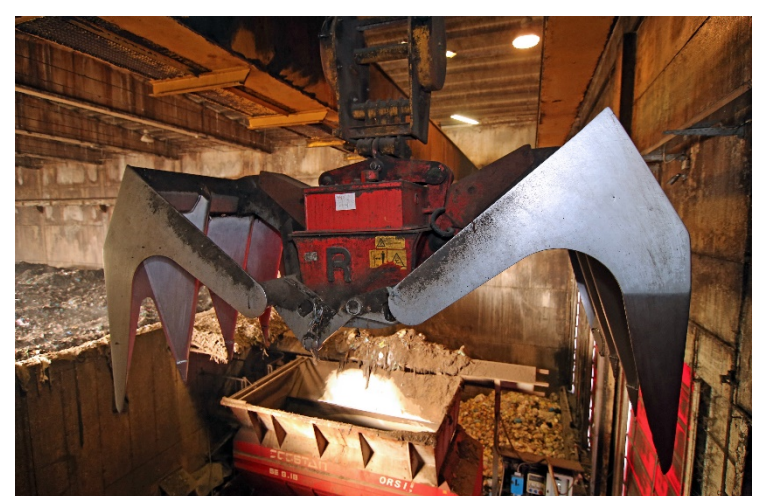
The SPIDER™ bridge crane is an **automatic material handling system** with a bucket and a crane equipped with load weighing devices.

Particular care is given to the **design of mechanical, electrical and electronic parts**, to ensure functionality in environments with **extreme processing conditions** (dust, temperature, humidity).

A **proprietary software**, entirely designed by EntSORGA, controls the load capacity and optimizes the data according to the operational needs of each system. This guaranteeing maximum efficiency and continuity of operation, **24 hours a day and 7 days a week**.

STRENGTHS

- Provides **maximum flexibility** in materials management of bulk material and allows for larger storage areas than silos
- Allows to effectively **mixing and homogenizing bulk material**, in consideration of different process and production needs
- Enhanced **safety and reduction of environmental risks** related to bulk waste handling: when compared wheel loaders, the bridge crane limits the intervention of operators to maintenance only
- **Incoming material management**: the overhead crane allows for easy and safe removal of oversized unacceptable waste items



APPLICATIONS

The SPIDER™ automatic bridge crane can be used in all treatment plants:

- **BIODRYING** and refining of waste and biomass to produce Alternative fuels
- **COMPOSTING** of organic of waste and biosolids
- **BIOSTABILIZATION** of waste before landfill disposal
- **ANAEROBIC DIGESTION** for the handling of waste in reception



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