
Go Green- Spreaders for the future

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**All-electric
ship-to-shore spreader**

The new era of sustainable terminals

With the new Bromma all-electric STS spreader terminals can:

- › Meet their environmental goals, while achieving commercial objectives
- › Decrease energy consumption up to 90% and save on operating costs
- › Get quieter operations
- › Avoid risks related to hydraulic oil leakages



A light blue Volkswagen Beetle convertible is driving away from the viewer on a winding asphalt road. The road has a double yellow line in the center and a white line on the right. The landscape is hilly with green grass and some rocky outcrops. The sky is clear and blue.

**Imagine all STS cranes equipped with
Bromma all-electric spreaders!
The CO₂ emissions saved would equal**

**14 000 GASOLINE DRIVEN CARS DOING A TRIP
AROUND THE WORLD – EVERY YEAR!**

An aerial view of a port area filled with stacked shipping containers in various colors (blue, red, white, brown). A large red gantry crane is positioned over the stacks. The text '90%' is overlaid in large white font in the center of the image.

90%

lower energy consumption

Comparison

	STS45	STS45E G2 Plus	
Lifting capacity	51t / 2x32,5t	51t / 2x32,5t	✓
Separating time, 0-1600 mm at full load	20 s	15 s	↗
Telescoping time, 20° - 45°	30 s	21 s	↗
Flipper arm up/down	5 s	5 s	✓
Twistlock rotation lock/unlock	1,5 s	1 s	↗
Twin-lift up/down	8 s	8 s	✓
Power consumption	7 kW	0,6 kW	↗
Mechanical structure classification	EN13001, U7, Q3, HC2, HD1	EN13001, U7, Q3, HC2, HD1	✓

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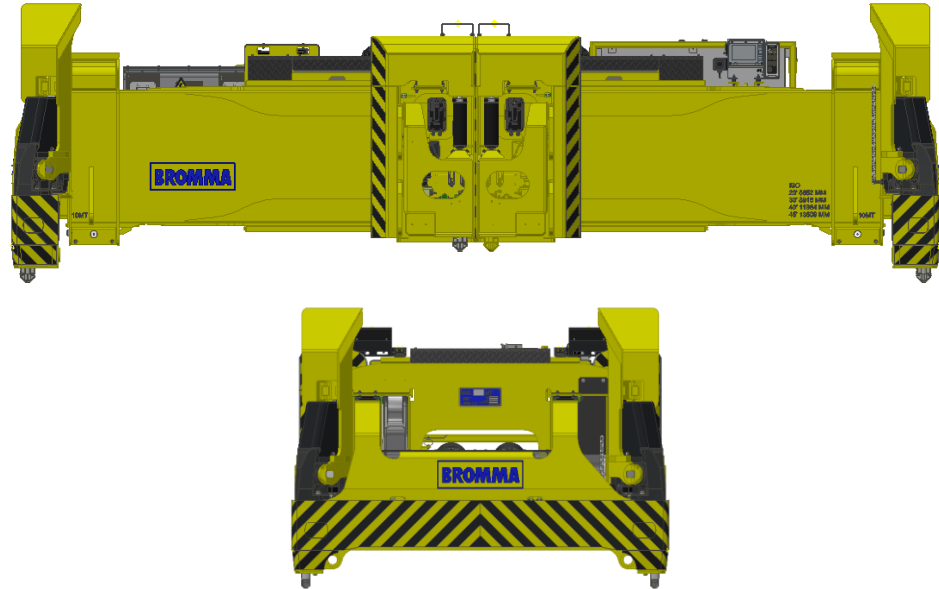
Improved Structural Design



State-of-the-art structural analysis methodology applied





- Improved strength and fatigue life
 - Higher tensile strength steel material
 - Improved weld joint design

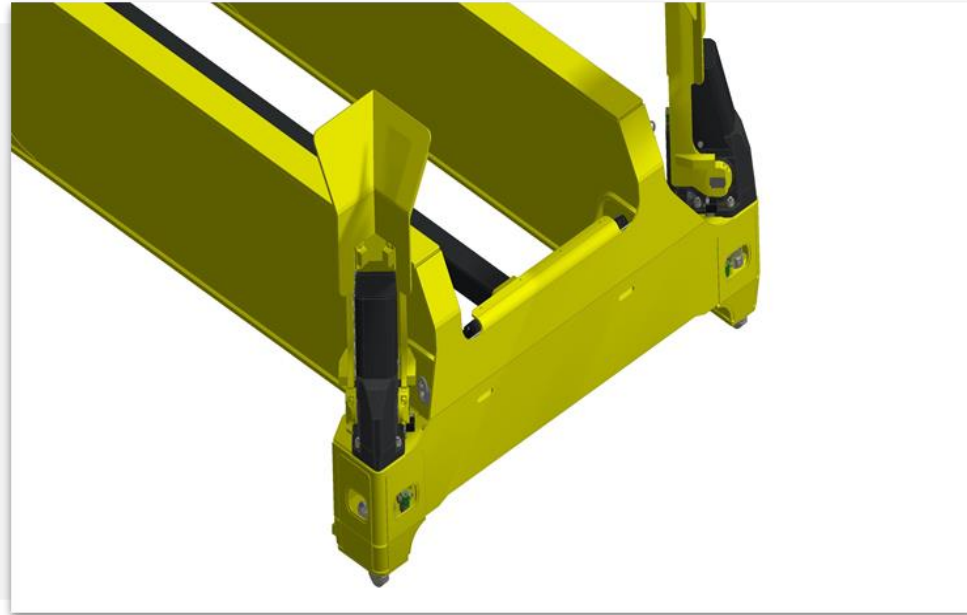


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End Beam Design

-  Corner boxes are designed with an angle.
 - Ease of entering cell guides in ships
 - Reduce risk of snagging
-  End beam narrower than the container
 - Enables improved performance in ship cells.



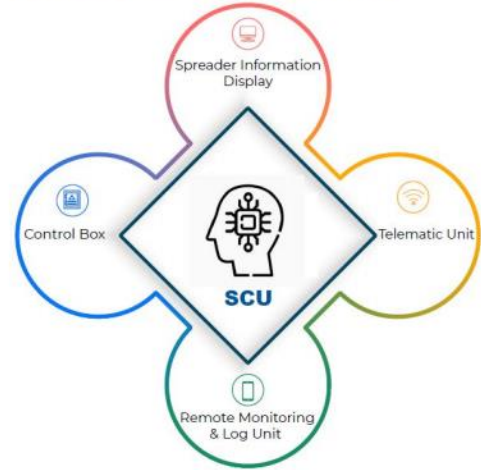
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Electrical

- ⚙️ The new all-electric spreader is equipped with SCS-Modular
- ⚙️ Options from the Spreader Control System Modular could be added to tailor spreaders to meet customer's requirement.

Spreader Control System Modular



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Come see us in the exhibition area

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