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


Imagine all STS cranes equipped with
Bromma all-electric spreaders!
The CO_2 emissions saved would equal
14 000 GASOLINE DRIVEN CARS DOING A TRIP
AROUND THE WORLD – EVERY YEAR!


90%
lower energy consumption
BROMMA
OOCL
CRONOS

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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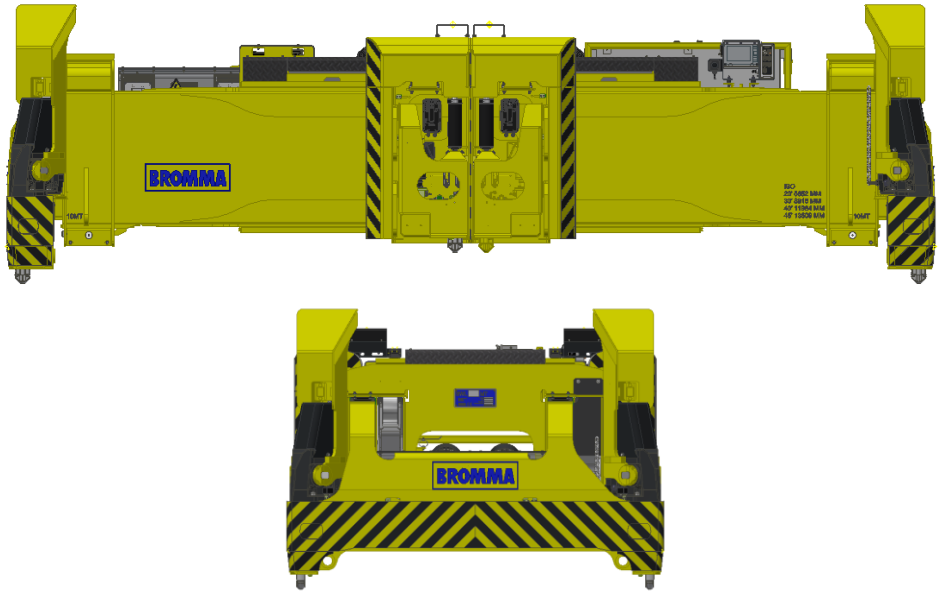
Improved Structural Design

- 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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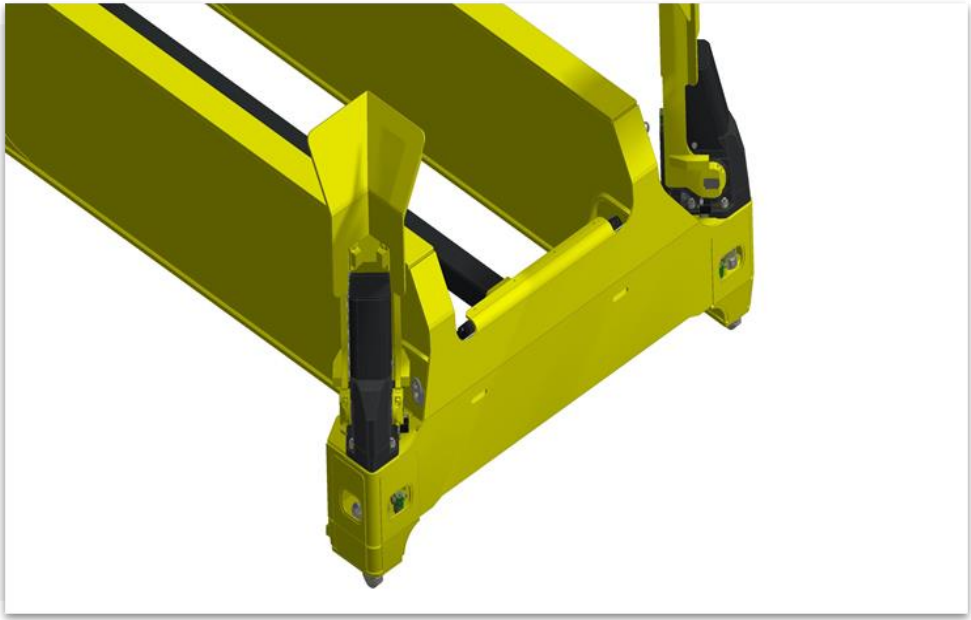
End Beam Design

- 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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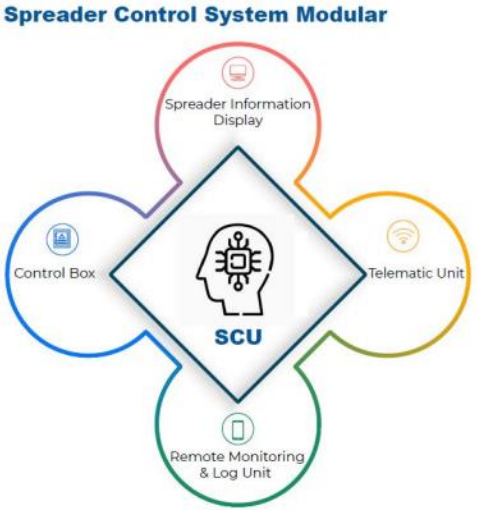
Electrical

- 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.



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Come see us in the exhibition area