

# Roll Handling Cart



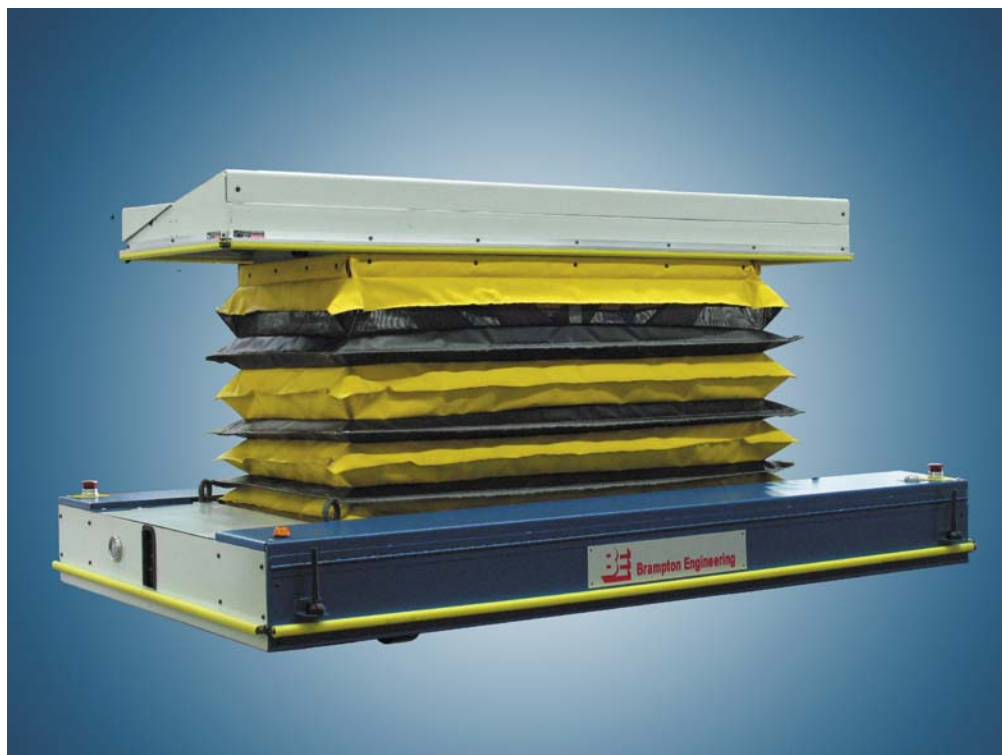
**Brampton Engineering**

**Worldwide Headquarters**  
**Brampton Engineering Inc.**  
8031 Dixie Road  
Brampton, Ontario L6T 3V1  
CANADA  
Tel: 1-905-793-3000  
Fax: 1-905-793-1753  
URL: [www.be-ca.com](http://www.be-ca.com)  
E-mail: [salesadmin@be-ca.com](mailto:salesadmin@be-ca.com)

**BE USA**  
Tel: 1-800-867-9997  
E-mail: [sales@be-usa.com](mailto:sales@be-usa.com)

**BE China**  
Room 508-2 Lijing Garden  
636 East Ganjiang Road  
Suzhou, Jiangsu 215005  
P.R. China  
Tel: 86-512-6522-6627  
Fax: 86-512-6522-6976  
URL: [www.be-ca.com](http://www.be-ca.com)  
E-mail: [bechinas@pub.sz.jsinfo.net](mailto:bechinas@pub.sz.jsinfo.net)

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The wireless, battery-operated cart can remove rolls from both front-to-front winders. (Optional configuration for back-to-back winders is available.) The associated core shaft support stand eliminates operator handling of the shaft and includes core shaft deflation and inflation. The BE roll cart is just what operators need—it is safe, convenient and easy to operate.

## Sequence of Operation

- Battery charges while cart at home position at the shaft support stand
- Operator initiates sequence from the winder touch screen
- Cart approaches the winder, adjusts to the appropriate height for the roll
- Winder releases the roll/shaft
- Cart backs up to shaft support stand and lifts to appropriate height
- Stand clamps on to the shaft
- Shaft deflates
- Leaving the shaft clamped to the stand, the cart then moves the roll and the core to the unload table
- Cart raises to the unload table height and tips off the roll and core
- Cart returns to the shaft support
- Operator manually places a new core on the shaft
- Cart raises to the height of the shaft and new core
- Support stand releases the shaft
- Cart carries the shaft and core to the winder
- Winder accepts the shaft and core
- Cart then moves to the facing winder to repeat the process or returns home

# Roll Handling Cart



Brampton Engineering

**Quality:** Brampton Engineering Inc. worldwide headquarters continues to meet the ISO 9001:2000 standard which covers design, manufacture, assembly, installation and service of our products.

## Distinguishing Features

- Fully automated roll and shaft handling
- Single cart services both front-to-front winders
- Two carts for back-to-back configuration
- Roll weighing built into cart
- Lift stroke of 585mm (23-inch)
- 2.5 minute cycle time (unload roll, load new shaft, return home)
- Wireless communication to winder PLC
- Control integrated with BE winder
- Meets ANSI MH29.1 (Safety Requirements for Industrial Scissor Lifts)
  - Safety bump strips and bellows guard motion and impact hazards
  - Scissor lift table down motion protected by factory-set “velocity fuse” and piloted check valve
- Proxy/limit switches at all positions and motions
- Automatic core shaft deflation and inflation in shaft support stand
- Tilt-table built into cart
- Side shift built into cart table to remove core shaft from drive chuck
- 10-12 m/min (35-40 fpm) maximum travel speed
- Scissor pivots are hardened and plated shafts and Teflon or oil impregnated bronze bushings

