

# SOLUTIONS IN ACTION

PACK EXPO 2008



*The AX Robotic Case Packer  
from Bradman Lake*



**Booth No. S-1248**

**Bradman Lake Inc.**, a member of the Bradman Lake Group Ltd., and a Langley Holdings Company, designs, produces and installs completely integrated packaging systems - including primary, secondary and end-of-line packing machinery to meet the most demanding challenges of today's manufacturing environments. A large proportion of their customers operate mainly in bakery, chocolate and confectionery, frozen food, consumer and healthcare, and dry food industries. These industries require complete packaging systems delivering additional value through extreme flexibility, high standard automation, cost and labor savings, and increased productivity.

"This is the right kind of additional value we are able to deliver to customers," said Nick Bishop, V.P of Sales and Marketing, Bradman Lake Inc., "supplying brand leader packaging machinery based on the principle 'one system - one source - one technology'. In Bradman Lake Group, customers can find cutting-edge technology and complete turn-key operation, from just one partner."

At PACK EXPO 2008, Bradman Lake Inc. will debut the first model of its newly designed range of robotic case packing machines. The company offers diversity of products ranging from fully automatic flow wrapping systems, carton forming and closing machines, robotic product top-loaders and robotic case packers.

"Our new **AX Robotic Case Packer** is designed to automatically form, top load fill and close RSC and HSC style corrugated cases within one frame. With a very compact footprint, it eliminates the requirement for three separate machines and the floor space they typically occupy. Carton-in-case formats can be varied to the customer specification thanks to a modular infeed design," Mr. Bishop explained.

Bradman Lake will be showing the AX Robotic Case Packer integrated at the end of a working fully automatic top load packaging system including: Automatic Product Distribution System; Flowtronic 120 high speed flow wrapping machine fitted with a Bar Turner and Shuttle Phase in-feed conveyor; Super HS Double Head Glue Former; LJ-DRT Robotic Product Loading; and a Compact 3 Right Angle Carton Closer.



*Allen-Bradley® CompactLogix™  
Programmable Automation Controller*



*Allen-Bradley® Kinetix® 6000  
Servo Drive*

# Solutions in action at Pack Expo 2008

The AX Robotic Case Packer can form the case, load the cartons/products into the case and bottom/top seal it at speeds up to 120 cartons per minute and up to 12 cases per minute, depending upon shape size of the products involved. Tape or glue or a combination of both can be provided for case sealing.

"This compact unit incorporates advanced design electronic motion control technology using a combination of robotics and servo motor drives. Since we were looking for the most advanced automation and motion technology, we decided to equip our machine with an Allen-Bradley® electronic solution supplied by Rockwell Automation," Bishop said. "We achieved a fully automatic and integrated platform to manage both logic and motion control by including the Allen-Bradley CompactLogix™ programmable automation controller (PAC) linked to Kinetix® 6000 servo drives and interconnected to PanelView™ Plus 1000 operator interface for production control and data visualization. We selected Rockwell Automation as it is an industry standard we can rely on for strong service availability, and we are better able to help meet technical support requirements requested by customers," said Mr. Bishop.

"We selected Rockwell Automation as it is an industry standard. We can rely on a strong service availability and we are better able to help meet technical support requirements requested by customers," said Mr. Bishop. "Reduced programming efforts and savings in design time are some of the key benefits Bradman Lake immediately received by choosing Rockwell Automation solutions. Relying on a unique software programming platform such as Rockwell Software® RSLogix™ 5000, all motor and drive parameters are defined as part of the motion axis configuration. Due to its modular build up, Allen-Bradley Kinetix 6000 servo drives allow us to save engineering and installation time and help improve machine flexibility. We obtained a seamless integration between servo-motion and logic controllers, and achieved true flexibility in setting up the control hardware, as well as in programming and diagnostics."

## **For more information, contact:**

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