



ABOT M1 expands box opening automation capabilities and offers years of dependable service built around the extremely reliable FANUC six axes robot.

ABOT M1 is next generation automated box opening with intelligent sensing and six axes articulated cutting.

Boxes are not always flat and square. Stresses from handling and shipping skew sides and round corners. High accuracy 3D dimensioning takes hundreds and even thousands of measurements optimizing the cut path in six axes for accurate and successful cuts.

ABOT M1 can change the cut depth on the fly to ensure damaged corners get cut through for easy top removal.

Delivered complete with Allen Bradley CompactLogix controls, touch screen HMI, safety and reliable MDR zoned conveyor.

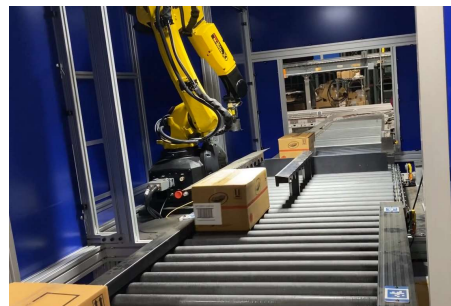


- Rates from about 450 (Single Lane) to 900 (Dual Lane) boxes per hour
- Fully automated blade changes is standard



Patented technology gives ABOT® the unique capability to adjust pre-defined cut patterns for random sizes of boxes as measured on-the fly.

Option to store different cut patterns and apply them to different boxes distinguishable by product, size or code.



Boxes can be opened leaving scored tabs to hold tops in place for easy manual removal without cutting tools at a later time.

OPTION for auto-top removal.

- Larger work area for greatly expanded box size range.  
Standard – 750mm L x 600mm W x 600mm H  
Oversized Option – 1000mm L x 660mm W x 660mm H
- Box stabilization system automatically configures to box size.
- Cut boxes down to 80mm in height.
- No air required (suitable for store operation).
- Expandable to dual lane for 50% more throughput at later time.

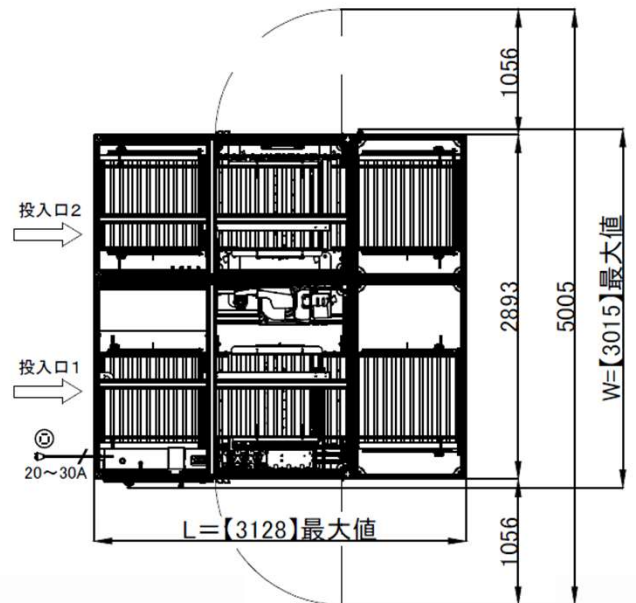
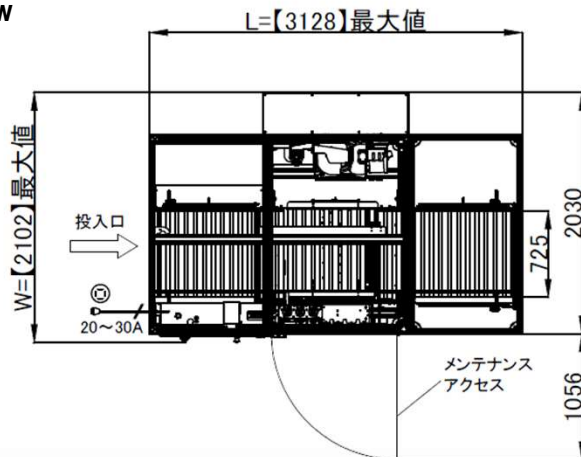
ABOT M1 is designed as “Plug and Play”. Installation and startup is a matter of connecting power.

ABOT is part of a family of automated solutions for complete decant and order fulfillment.

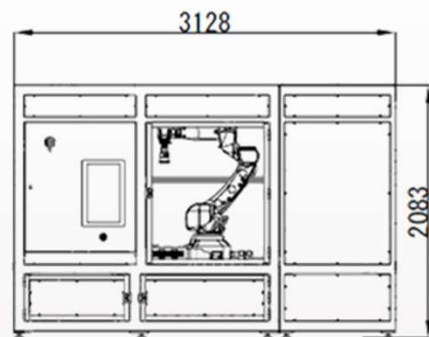
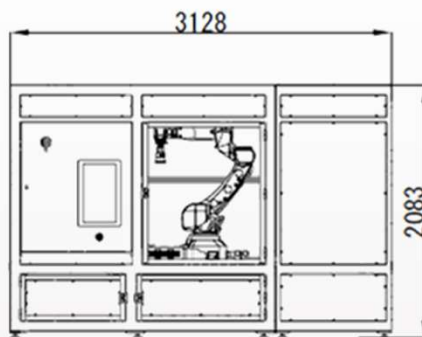


# SPECIFICATIONS – DIMENSIONS

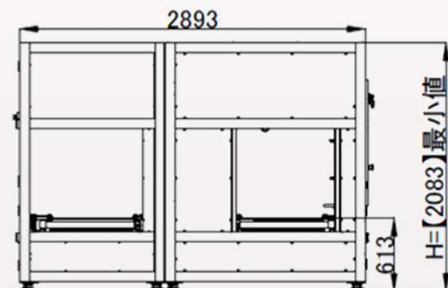
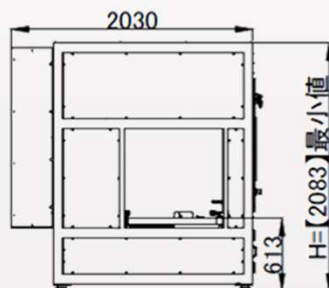
Plain View



Front View



Side View



## Box Sizes (Standard Model)

Minimum 150mm L x 120mm W x 80mm H

Maximum 750mm L x 600mm W x 600mm H

Oversized Option 1000mm L x 660mm W x 660mm H

- Operating Voltage: 230 VAC (3-phase) 50Hz 20~30Amp
- Personnel Safety Guarding built to ANSI/RIA R15.06-2012 standards
- Allen-Bradley Micro-Logix Controls
- Long lasting tungsten carbide coated steel blades
- Preferred Network Speed: 50Mbps or more



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Manufactured in  
USA by



ROBOTICA INC. U. S. PATENTS  
7,720,567; 8,463,428; 9,475,653;  
9,981,810; 9,988,218; 10,232,409  
INTERNATIONAL PATENTS  
OTHER PATENTS PENDING  
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