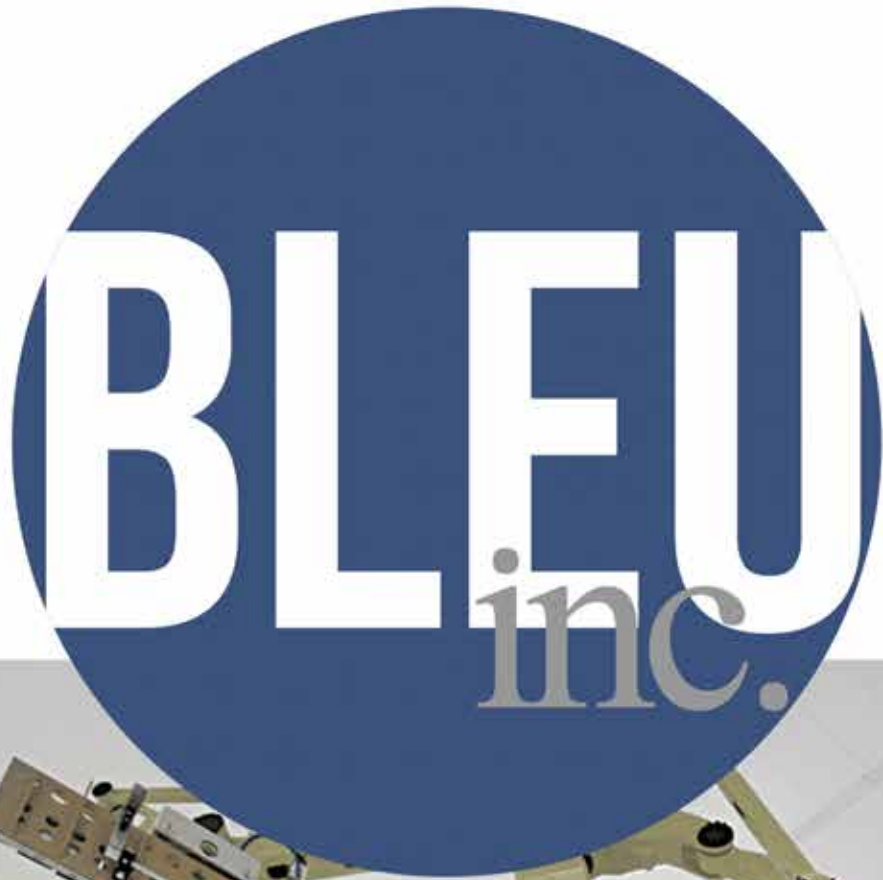
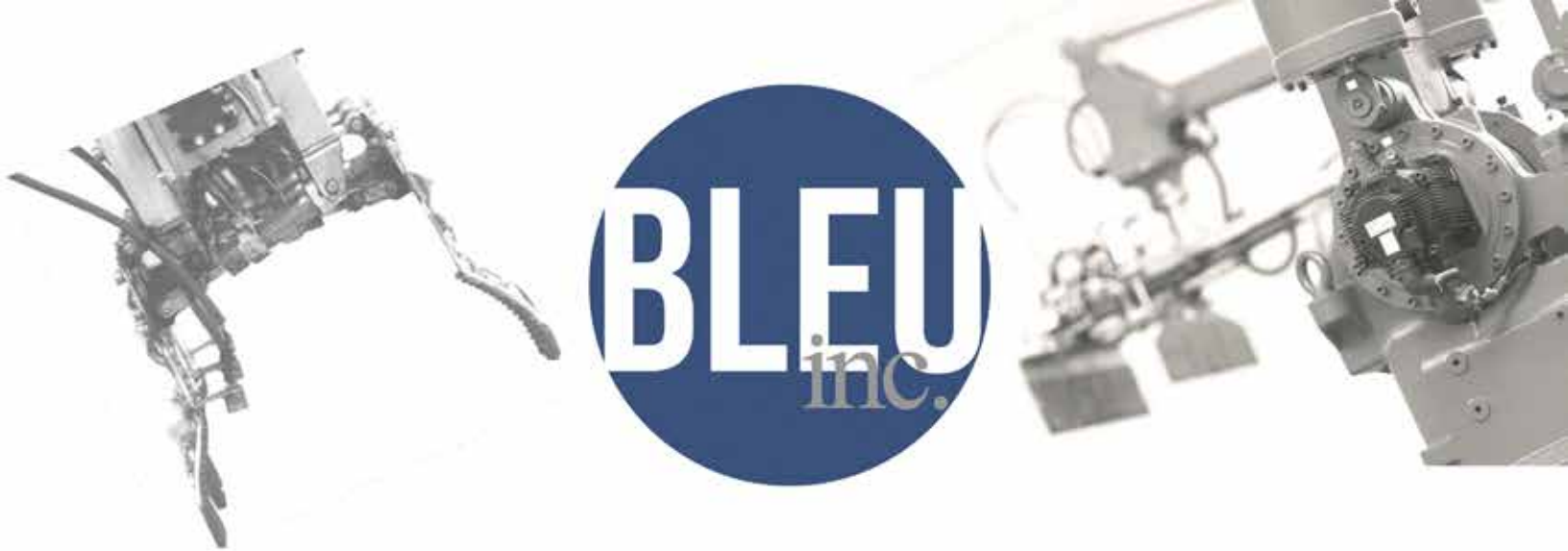


# ROBOTICS





Es una empresa de VENTAS de EDS ALIMENTARIA, con oficinas estratégicamente ubicadas en los mercados mas grandes de producción agrícola tanto de consumo interno como exportación

USA



1. Mercado de consumidores mas grande del mundo
2. Implementación a partir del 4 de enero de la nueva regulación FDA & USDA certified Robotic Food Processing Systems
  - a. Enfermedades causadas por causas de comida asciende anualmente a 76 millones, 350,000 hospitalizaciones y 5.000 muertes, virus atribuidos al manejo manual de productos alimenticios y la necesidad de automatización y erradicar enfermedades como E. coli Bacteria, Hepatitis A y Norwalk Virus
3. Altos costos de mano de obra ahora que se están aplicando controles migratorios para mano de obra ilegal mas estrictos
4. Plan de Accion: reunión con la embajada española para identificar análisis de mercado, opciones de financiamiento, ferias, etc.
5. Potenciales clientes target 17 corporaciones cada una con volúmenes de facturación que exceden individualmente los mil millones de dolares

BRASIL



Le llaman el granero y huerta del mundo por la cantidad de granos y vegetales que se procesan para exportar a todo el mundo. Es impresionate mercado ya lo analizamos y tenemos acceso a las elites de gobierno y grandes monopolios de alimentos.



## MEXICO



1. Mayor exportador hacia USA en categorías como tomates, aguacates, chiles pimientos, en calidad de exportación bajo los estándares sanitarios arriba mencionados
2. Potenciales 10 corporaciones ya identificadas, 7 de ellas dedicadas a la exportación y 3 al mercado nacional de 140 millones de consumidores en productos básicos
3. Costos de salario mínimo al alza por lo que hay necesidad de reemplazar mano de obra

## CENTROAMERICA



1. Se pretende consolidar desde Nicaragua la operación de Centro America abarcando productores de Honduras, Nicaragua, Costa Rica y Guatemala
2. Muchísimo apoyo gubernamental y de ONG para la producción y exportación de productos no tradicionales, mismos que deben reunir los estándares sanitarios antes mencionados, la consistencia en calidad se vuelve crítica
3. 5 corporaciones ya identificadas como posibles clientes, incluyendo transnacionales como Dole y Monty Farms, ya iniciamos pláticas introductorias con ellos
4. Honduras es el productor de melones mas grande de la region



## CHILE

1. Baja tasa de desempleo por lo que la contratación de personal para la temporada de cosecha se esta dificultando cada vez mas
2. Chile es el mayor exportador de Frutas hacia los USA en categorías como cerezas, fresas, frambuesas
3. Fuertes nexos de amistad con el dueño de la empresa exportadora de frutas mas grande de Chile y una de las 5 exportadores mas grandes de America Latina



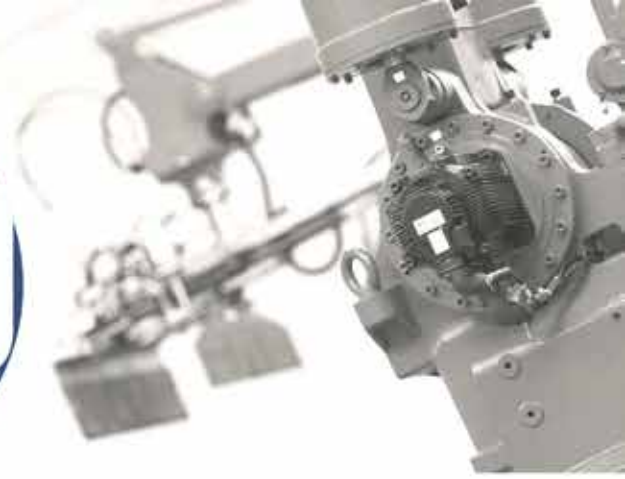
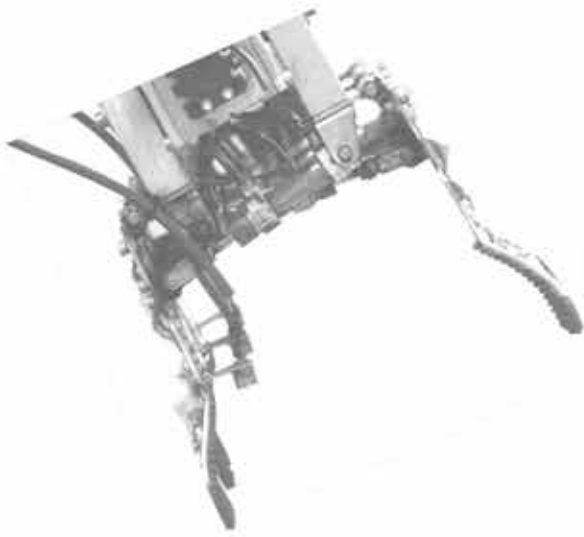
## PERU

1. Mayor exportador a US de productos tropicales tipo mango, platano, papaya
2. Es uno de los proveedores mas importantes al resto de países de America del Sur, región con un poder adquisitivo alto
3. Jose Aguad con empresas en Chile y Peru su familia es productora de frutas y esta interesado en colaborar en el desarrollo comercial, poner a su actual fuerza de ventas a mover el producto.



A continuación se describe mas detalladamente las ubicaciones de las oficinas y los datos de contacto de cada País.

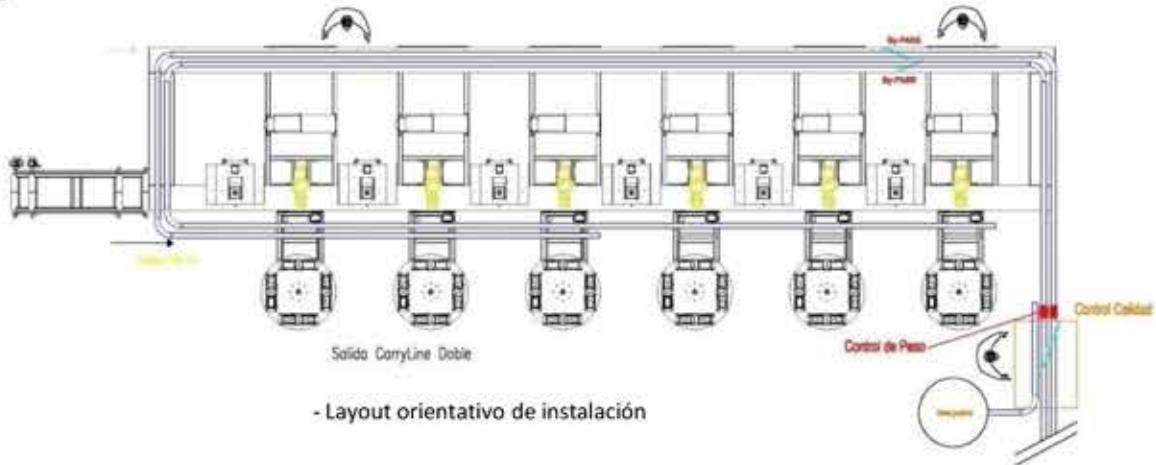
PAIS	CIUDAD	CONTACTO
USA	NY	Juan José Medina
USA	Houston	Rolando Sierra
México	Aguascalientes	Erick Medina
Brasil	Sao Paulo	Eros Milanez Jr.
Nicaragua	Managua	Sergio Soto
Chile	Santiago	Alejandro Nemeth
Perú	Lima	José Aguad



## Robotized Cell. Product load from pile.



- Several robot line.
- Product selection by artificial vision, where we classify the fruit by size and color.
- Different kinds of packaging.
- High Productivity.
- Maximum flexibility to production changes.



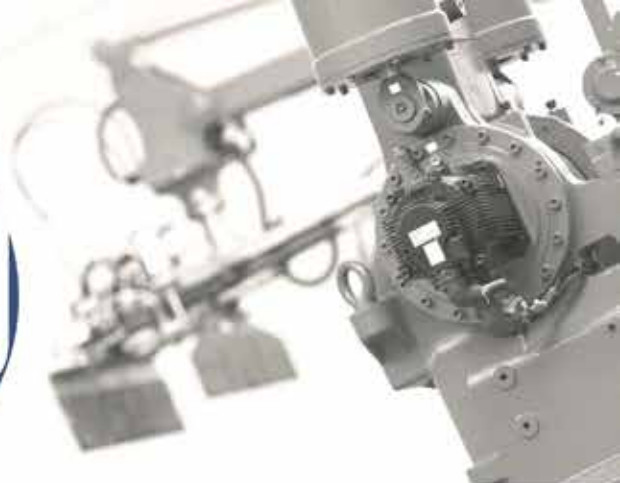
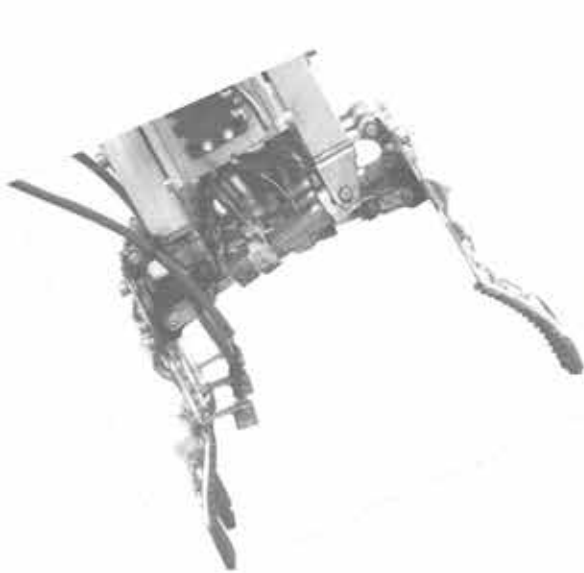
## Thechnical specifications

- Detection method: Artificial vision
- Power supply: 380-400Vac, 50/60Hz. 15Kw.
- Air system: Vacuum Pump/ Venturi
- Air pressure 4/6 bar

## Specifications

- Product Fruit, Seed and citrics.
- Packages Baskets, trays, etc.
- Production 60 cycles/min \*

\*Note: Production varies according to the product to inspect and the type of package.

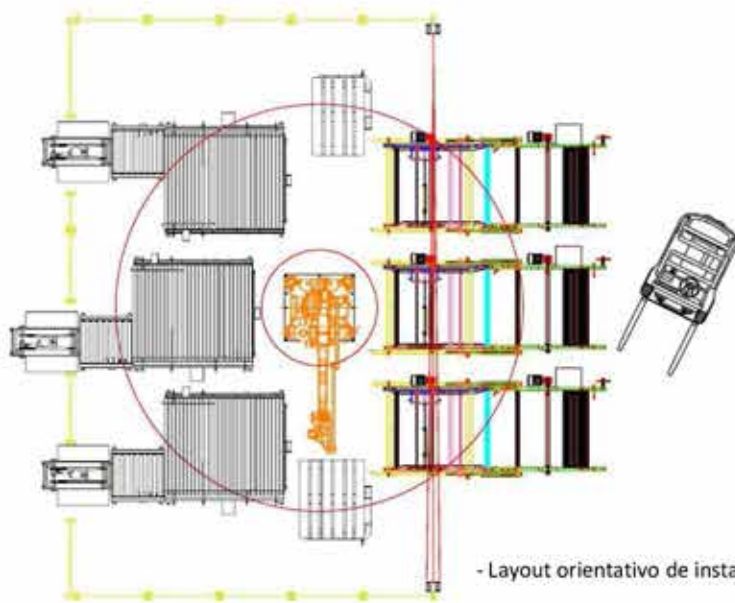


## Agricultural boxes palletizing Robotized cell.



- Easy handling
- High productivity and reduced cycle time.
- Occupied space enhancing against conventional palletizers.
- Maximum flexibility for mosaic changes.
- Re-mounting.
- Fast investment recovery.
- Pallet layer formation enhancement.
- Pallet automated placement option.





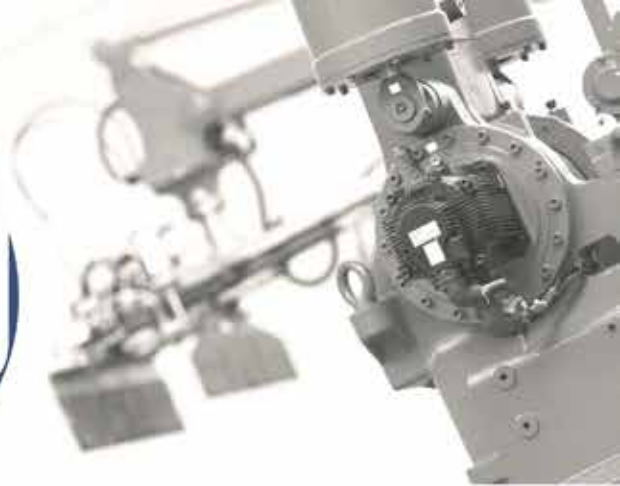
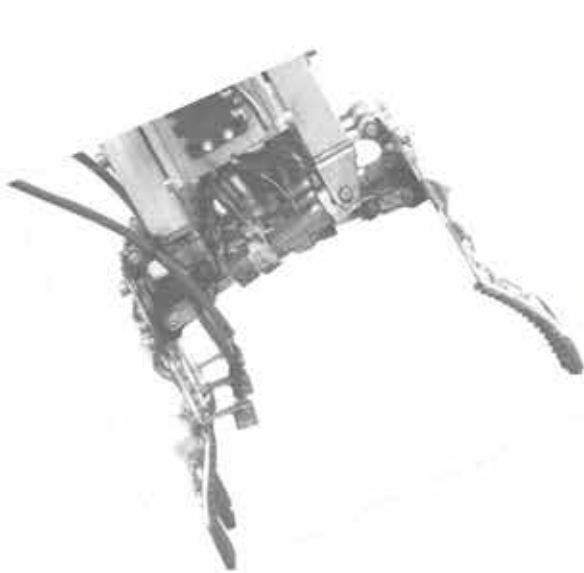
## Thechnical specifications

- Power supply: 380-400Vac, 50/60Hz. 15Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

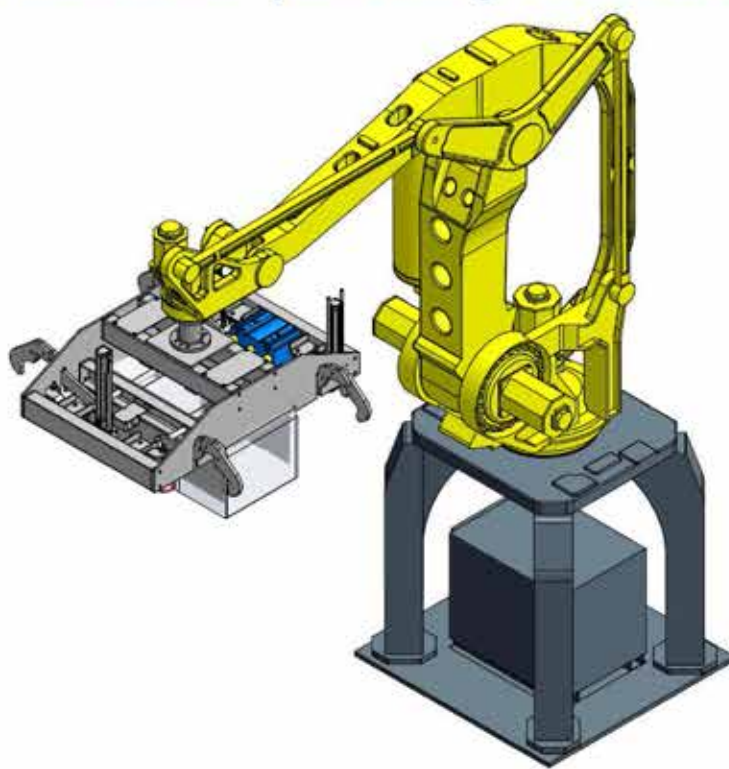
## Specifications

- Box type: Wood, plastic, cardboard, etc.
- Box format: Multiformat
- Production 900/1200 boxes/hour \*

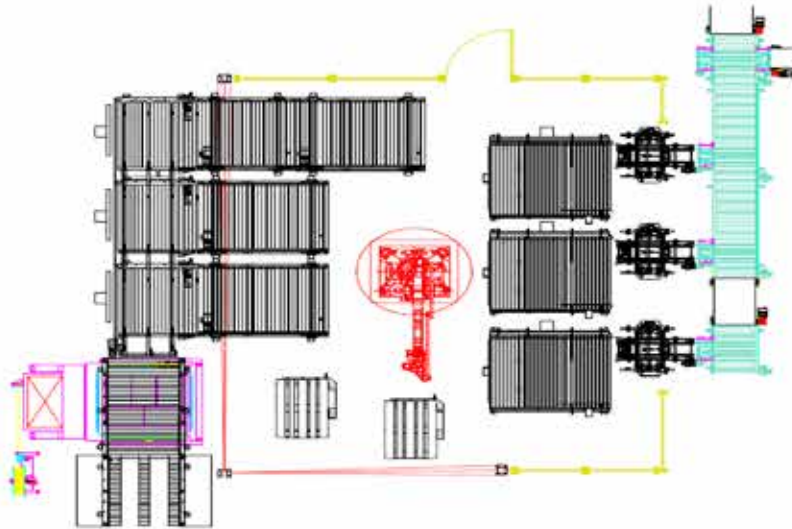
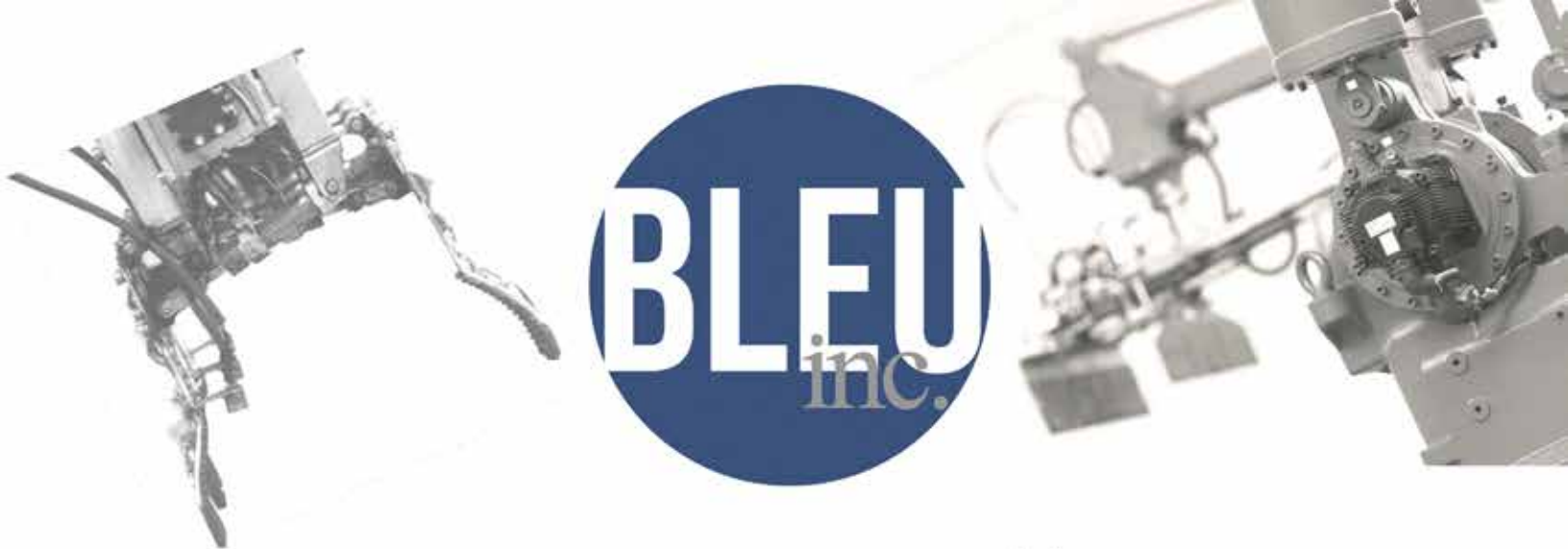
\*Note: Production will be according to product type and application.



## Multiformat boxes palletizing robotized cell



- Easy handling
- High productivity and reduced cycle time.
- Occupied space enhancing against conventional palletizers.
- Maximum flexibility for mosaic changes.
- Re-mounting.
- Fast investment recovery.
- Pallet layer formation enhancement.
- Pallet automated placement option.



- Layout orientativo de instalación

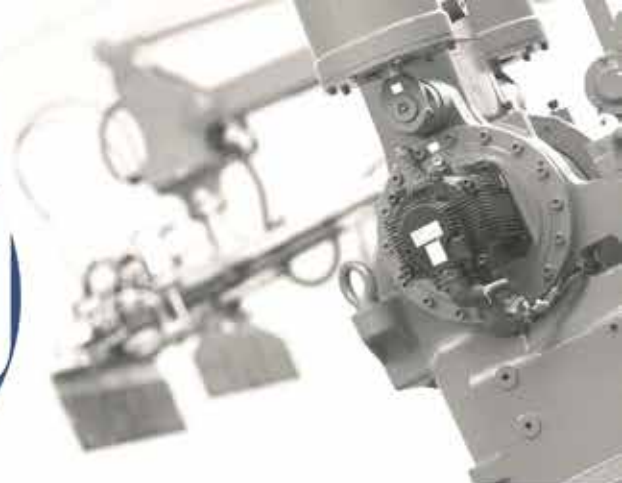
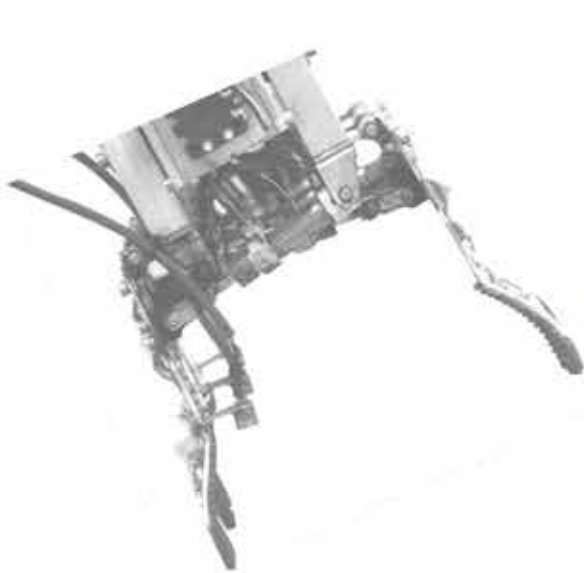
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

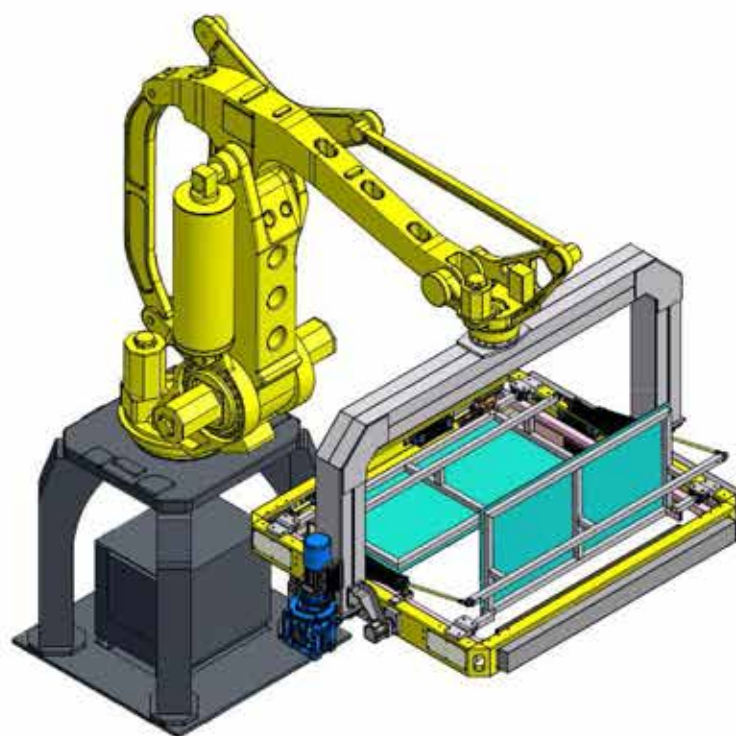
## Specifications

- Box type: Cardboard
- Box format: Multiformat
- Production 2.5 layers/min \*

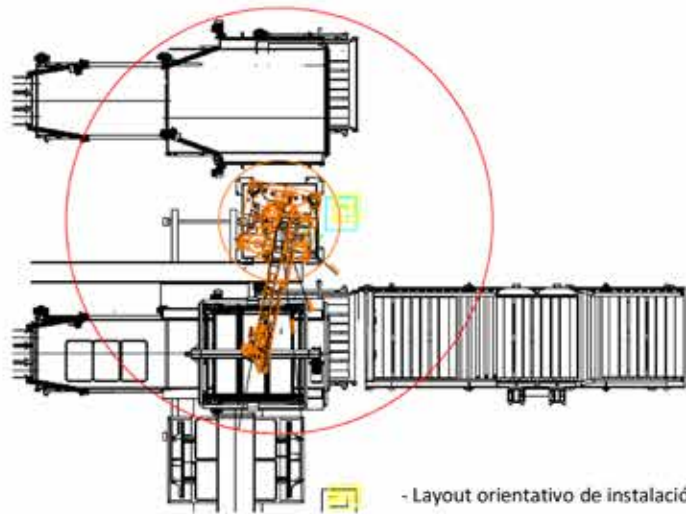
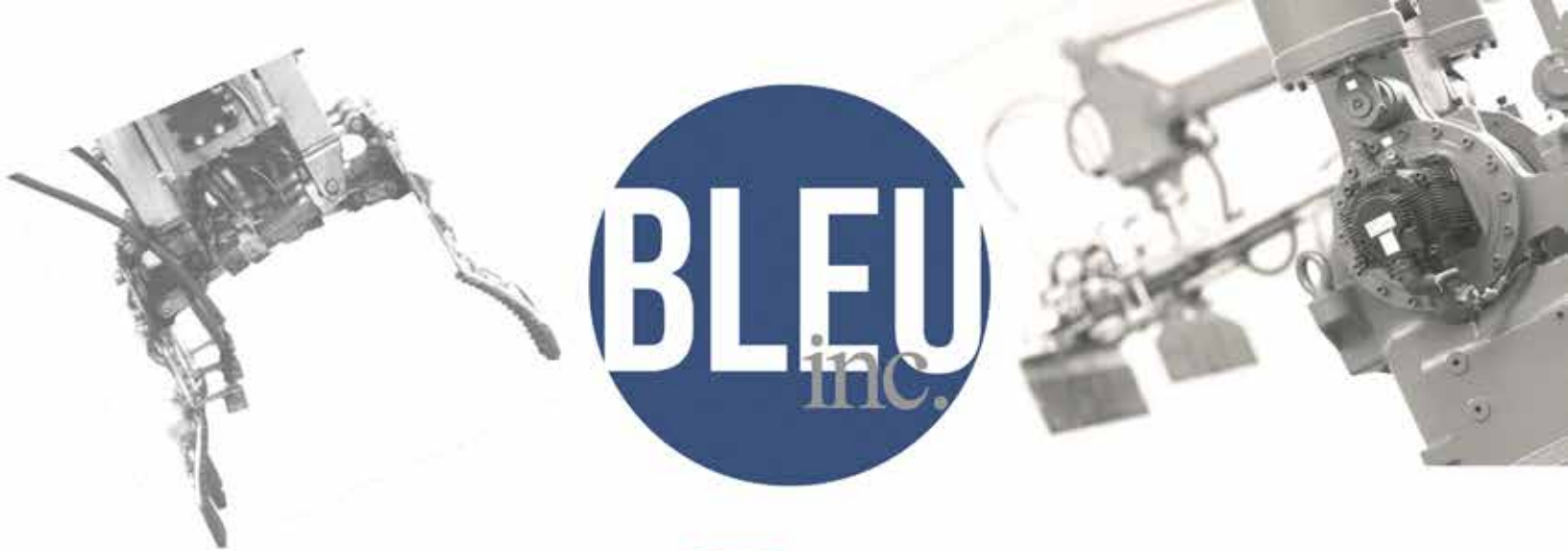
\*Note: Production will be according to product type and application.



## Box/pallet dumping robotized cell.



- Easy handling
- High productivity and reduced cycle time.
- Occupied space enhancing against conventional dumping lines.
- Max. loads 400 kgs. (higher loads optional)
- Fast dumping depending on product type.
- Empty boxes/pallets automated piling option.
- Different types of pallets and boxes.



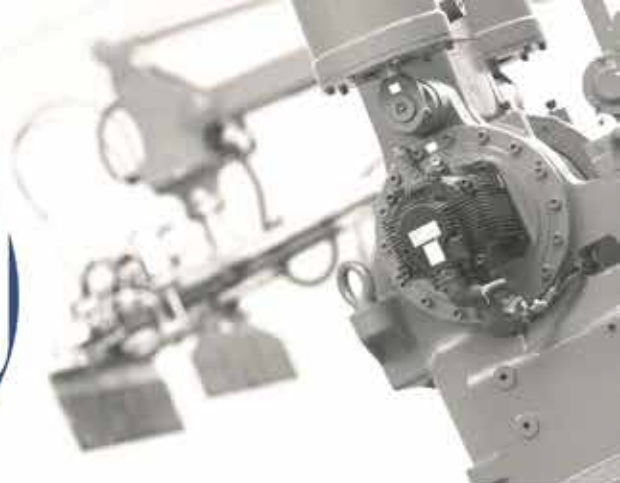
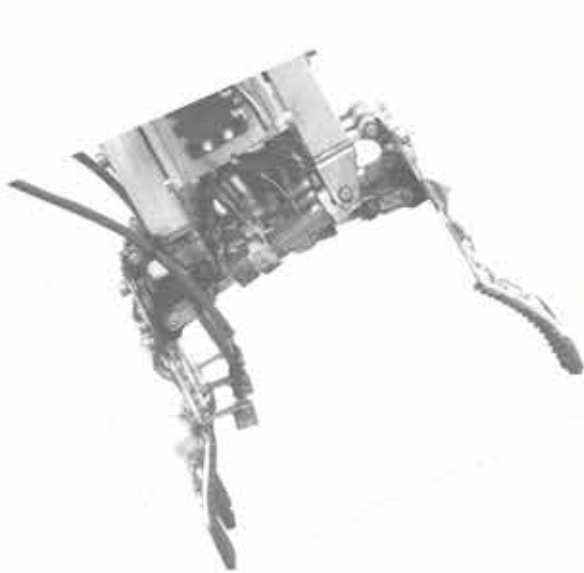
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz, 18.5 Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

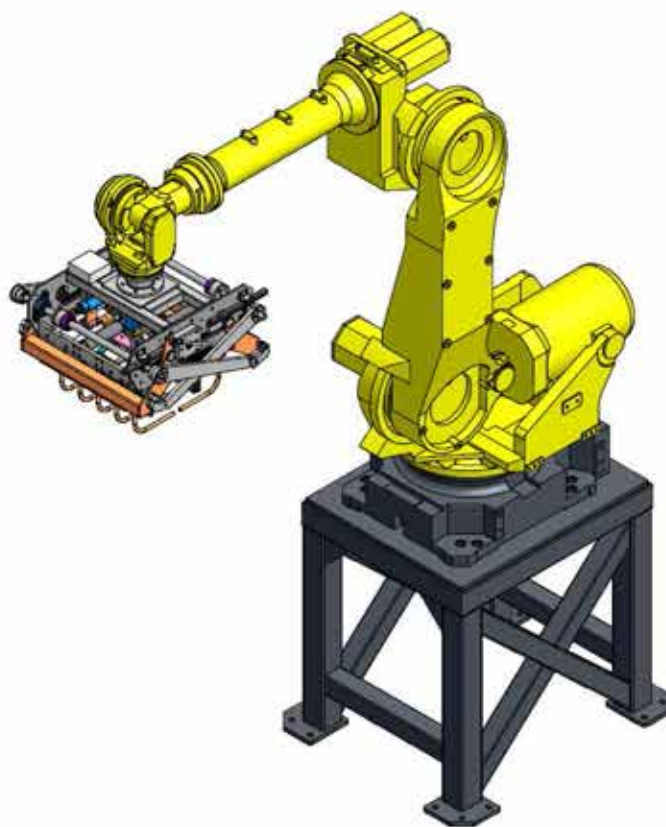
## Specifications

- Box type: Plastic, wood.
- Box format: Open agricultural, Pallet
- Pallets 2/3 pallets/min \*
- Boxes 2/3 complete layers. \*

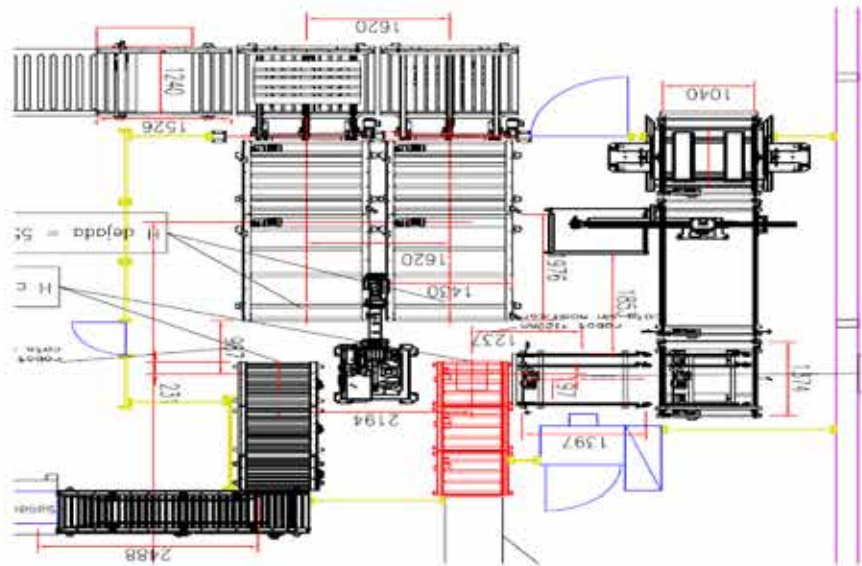
\*Note: Production will be according to product type and application.



## Bag palletizing robotized cell.



- Easy handling
- High productivity and reduced cycle time.
- Occupied space enhancing against conventional bag handling lines.
- Different bag format adaptable tweezer.
- Fast piling and box and layers forming.
- Automatic pallet placing option.
- Multiformat.
- Different mosaic on pallet configuration.



- Layout orientativo de instalación

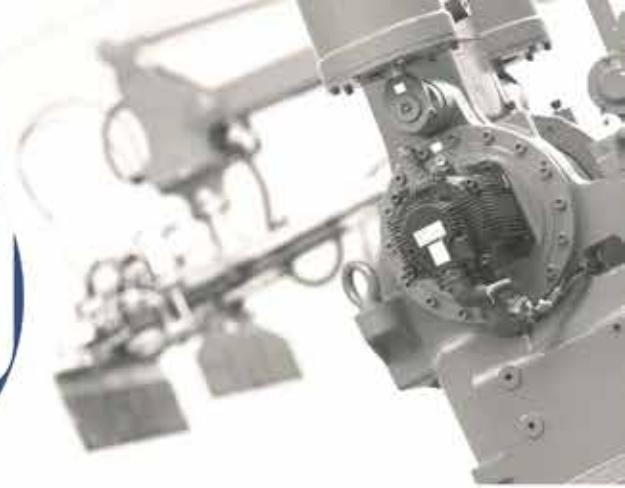
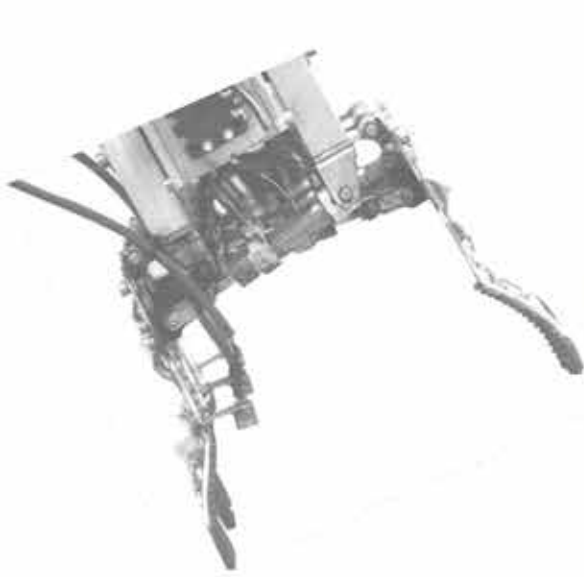
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

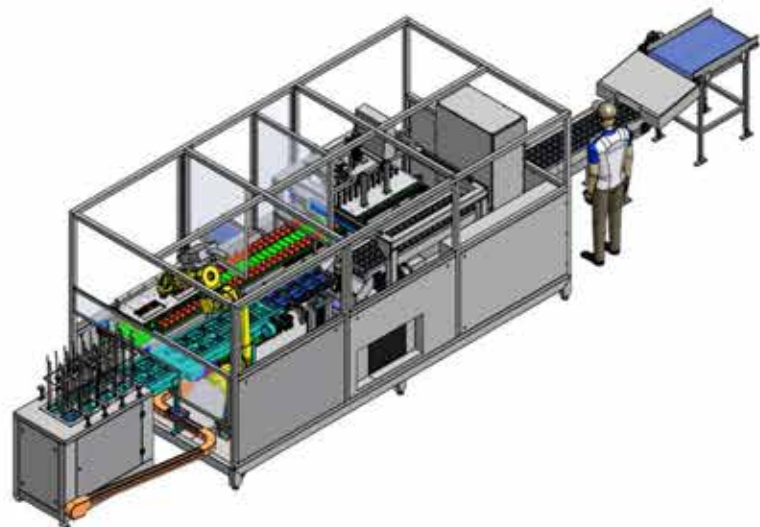
## Specifications

- Bag type: Polyethylene, textile.
- Bag format: Compact, in bulk, etc.
- Production 10-12 bags/min \*

\*Note: Production will be according to product type and application.

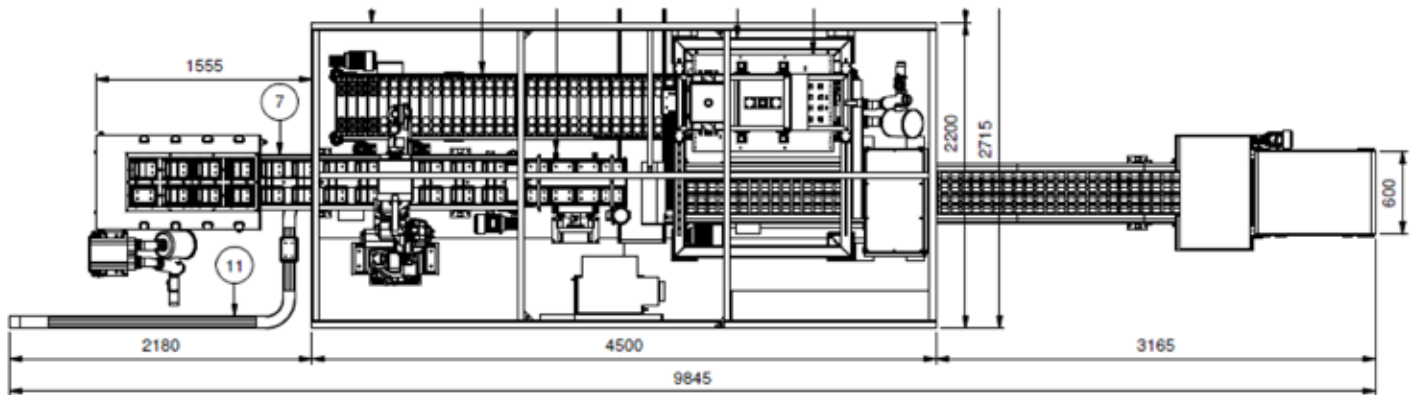


"Pear" tomato fitting in baskets robotized cell.



- Stem orientation system by artificial vision.
- High productivity.
- Reduced cycle time.
- Fast investment recovery.
- Automatic tray server option.





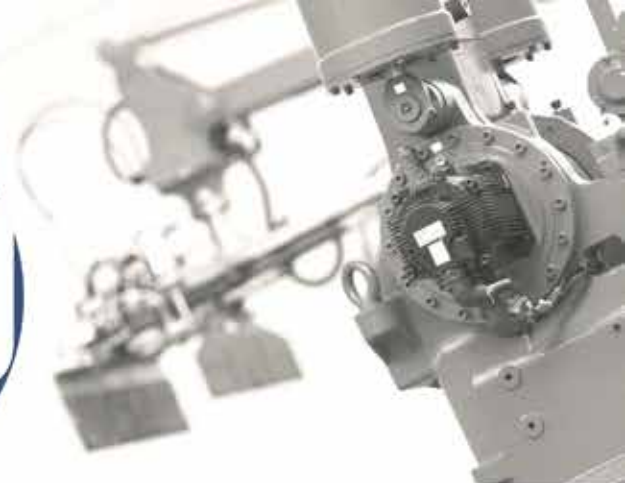
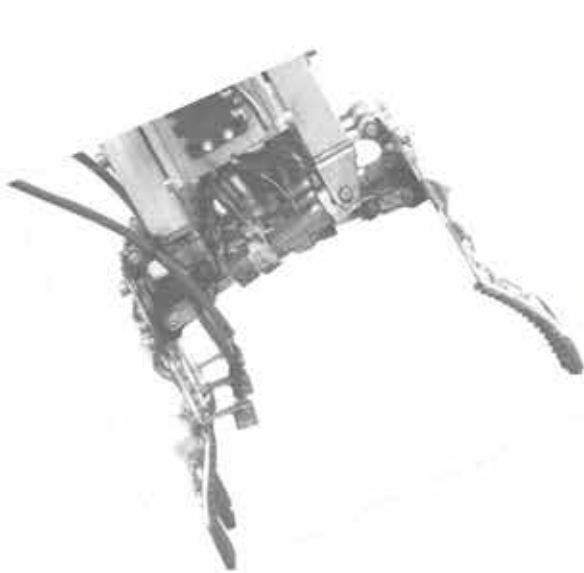
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

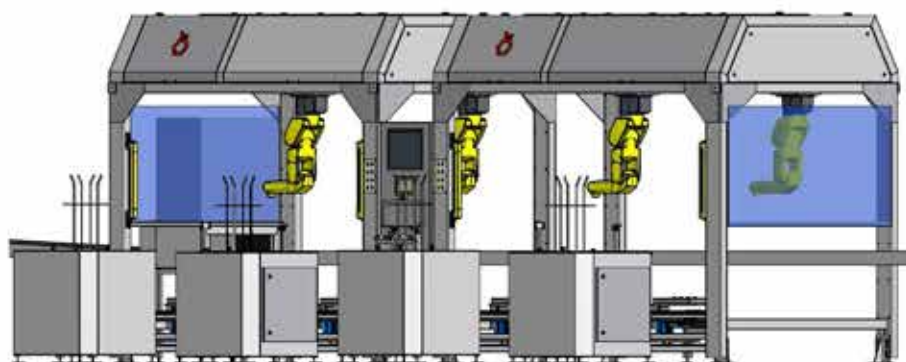
## Specifications

- Feeding time: 80 baskets/min\*.
- Tray type: Polyethylene, PVC.

\*Note: Production will be according to product type and application.

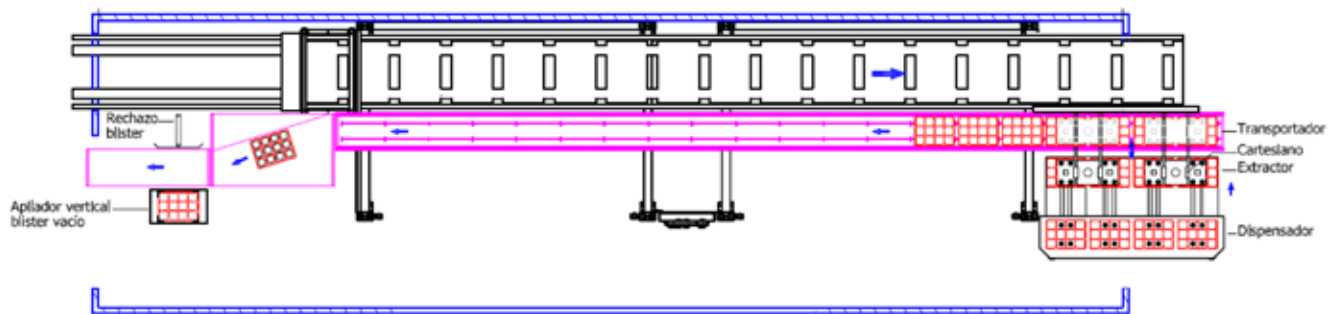


## Bakery product packaging robotized cell.



- Product selection from pile mode.
- Tubs in boxes mosaic automatic configuration.
- High productivity.
- Reduced cycle time.
- Fast investment recovery.
- Automatic tray server option.
- Fast format substitution according to tray.
- Robot extension option according to production.





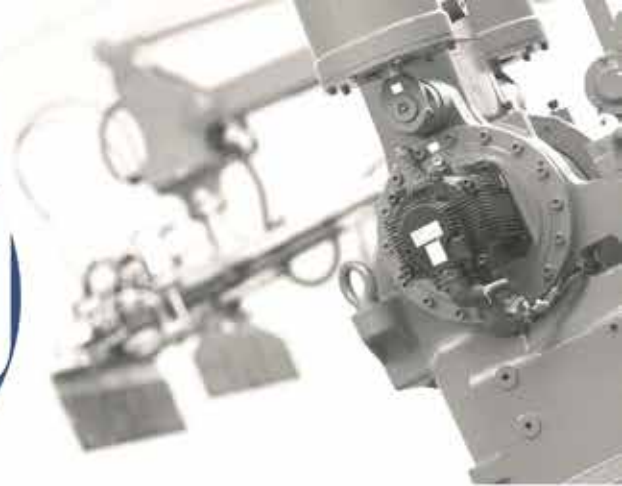
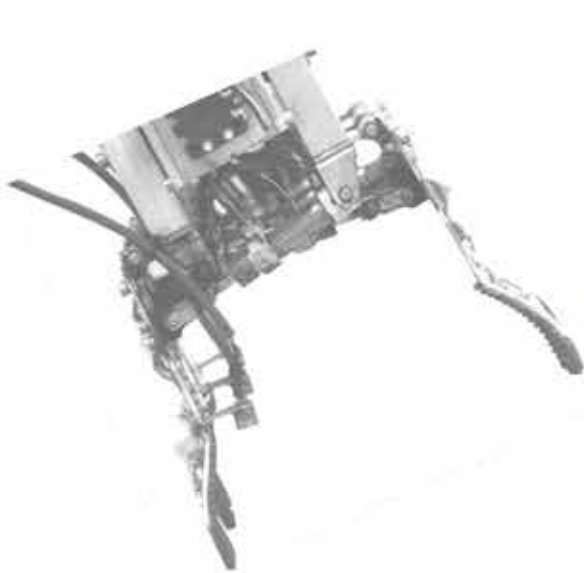
- Layout orientativo de instalación

## Technical specifications

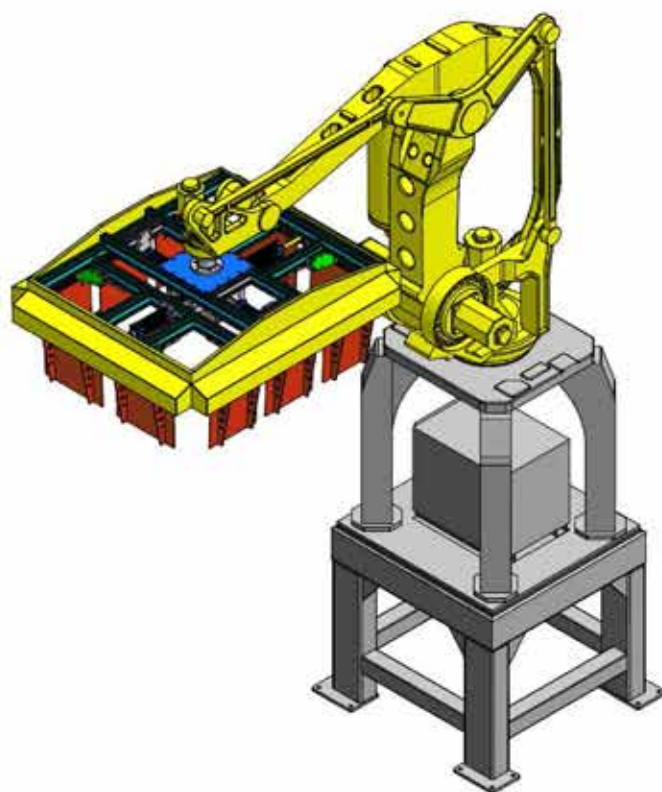
- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

## Specifications

- Product: Bakery product.
- Tray type: Polyethylene, cardboard.
- Production: 500 pieces/min\*

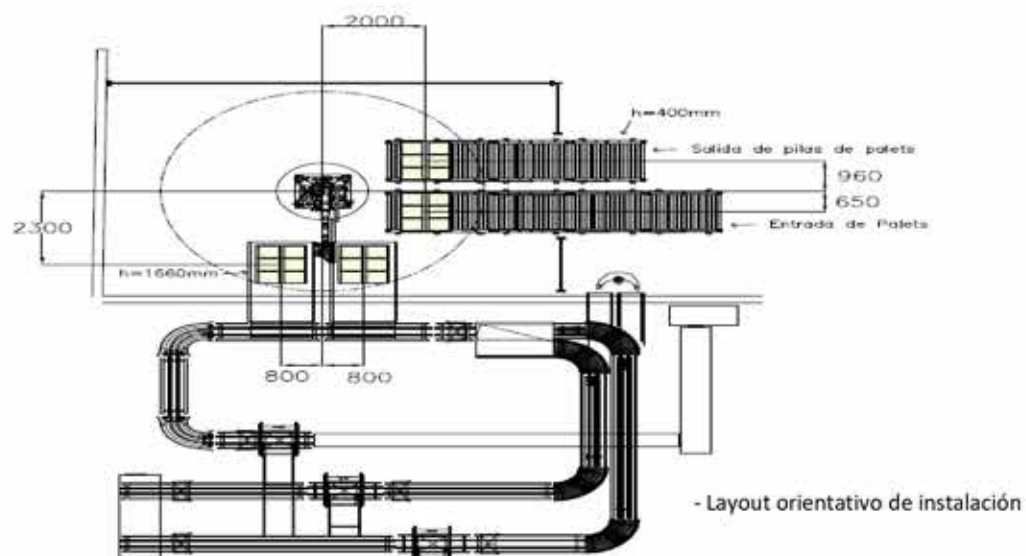
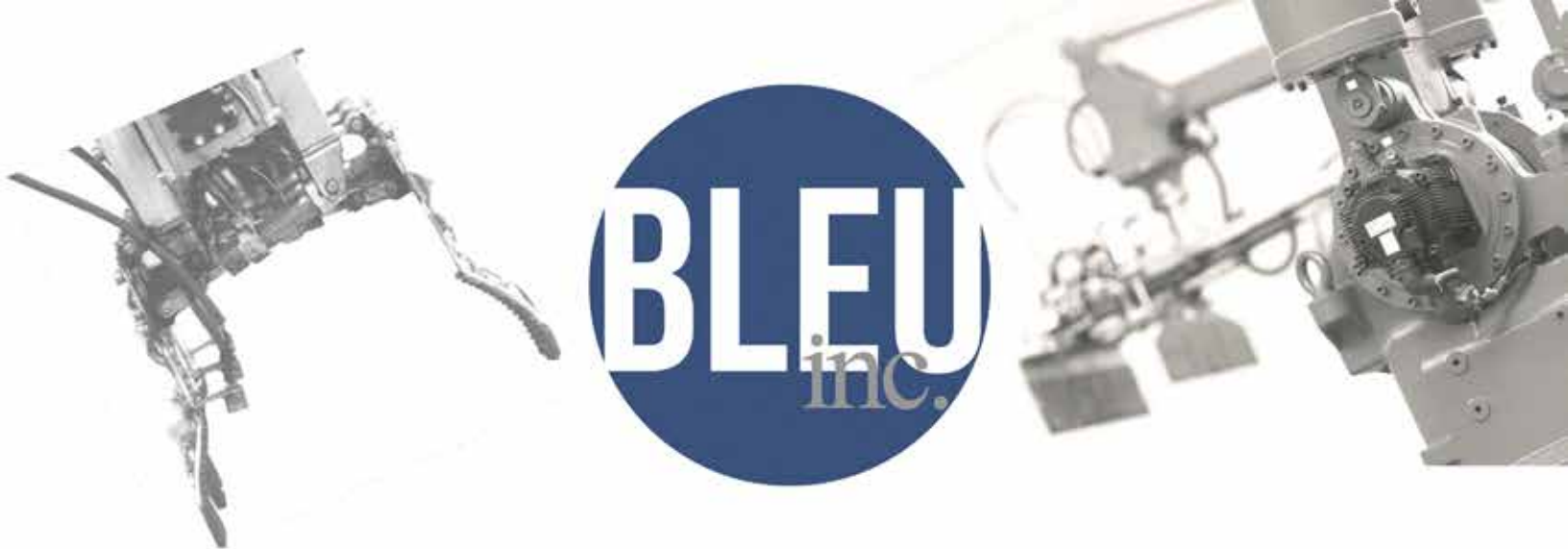


## Box depalletizing robotized cell



- Easy handling
- High productivity and reduced cycle time.
- Occupied space enhancing against conventional depalletizers.
- Maximum flexibility for mosaic changes.
- Fast investment recovery.
- Depalletizing enhancement of each pallet layer.





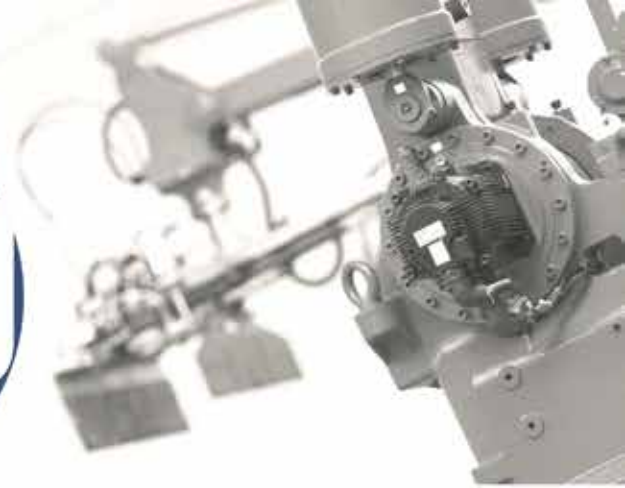
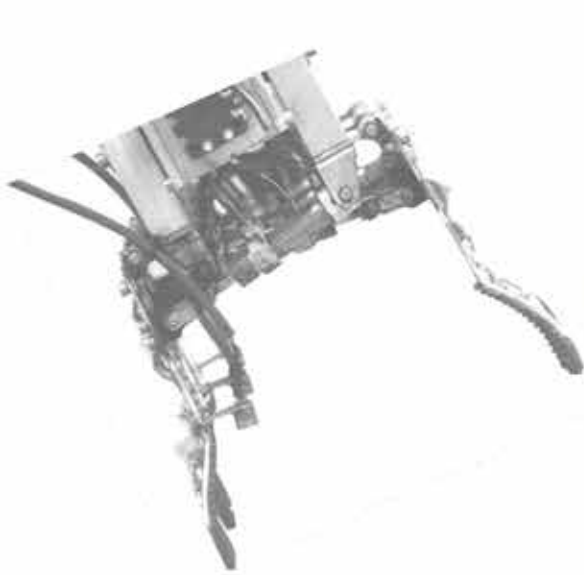
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

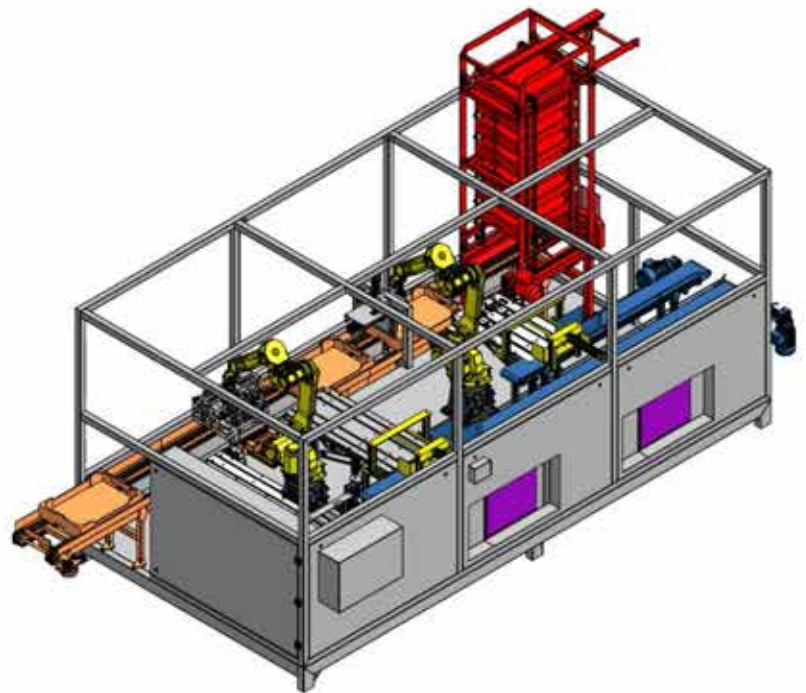
## Specifications

- Box type: Wood, plastic, cardboard, etc.
- Box format: Multiformat.
- Production: 600 boxes/min\*

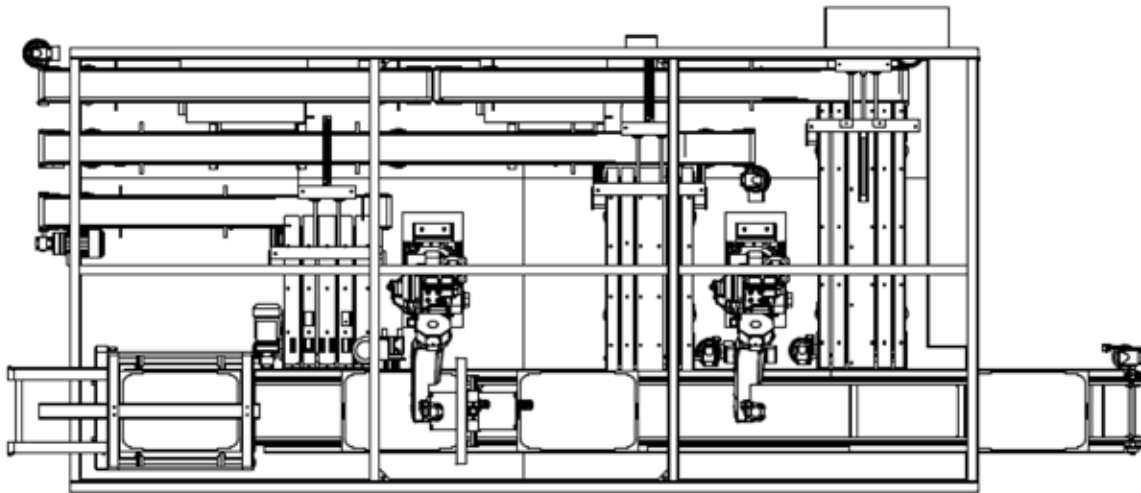
\*Note: Production will be according to product type and application.



Basket fitting in mosaic boxes robotized cell.



- Crossed mosaic of baskets in box automatic configuration.
- High productivity.
- Reduced cycle time.
- Fast investment recovery.
- Boxes with cover and flap.



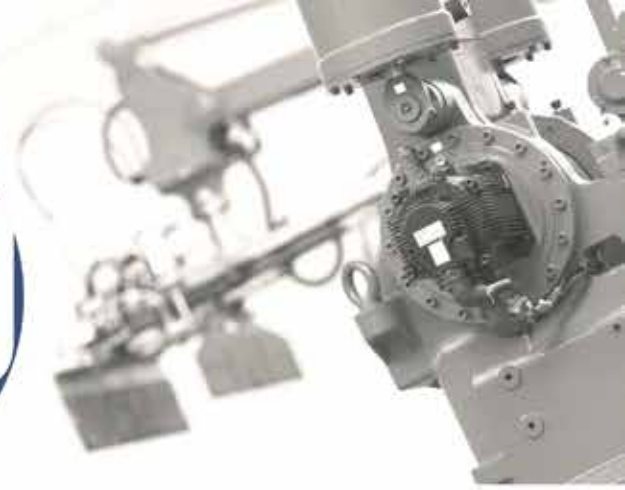
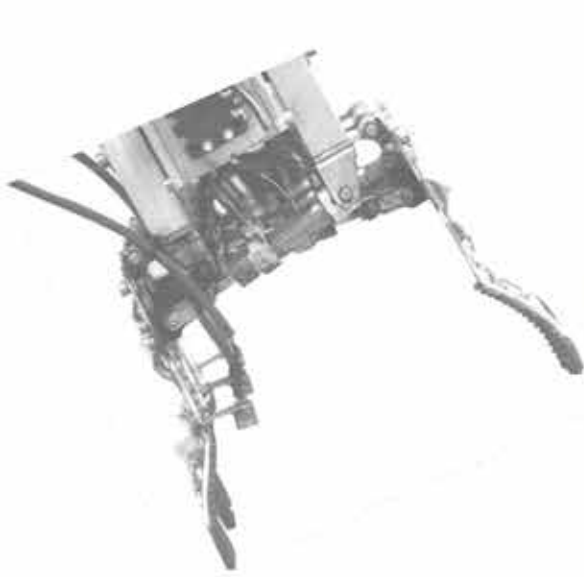
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Estimated power: 15 Kw.
- Air consumption: 3 LN/min
- Air pressure 4/6 bar

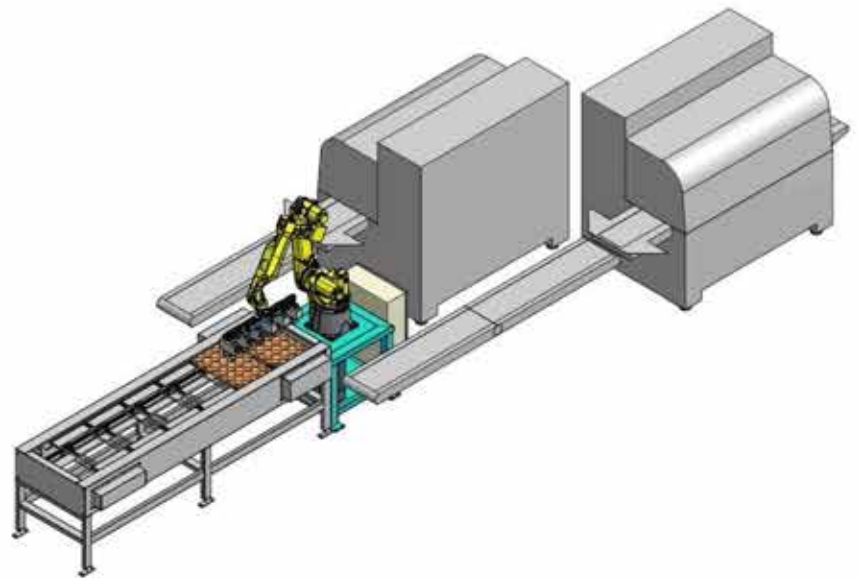
## Specifications

- Product: Fruit, seed fruit and citric.
- Packages: Baskets, trays, etc.
- Production: 160 baskets/min\*

\*Note: Production will be according to product type and application.

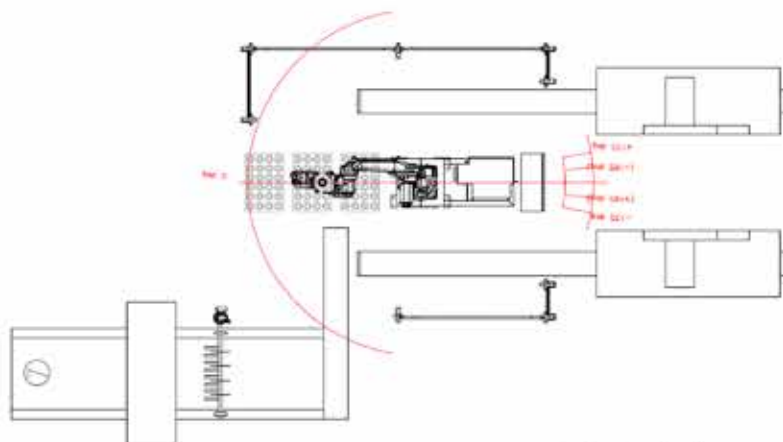
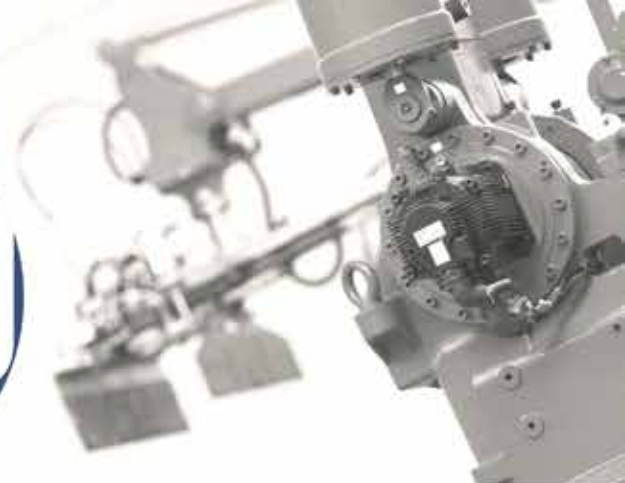
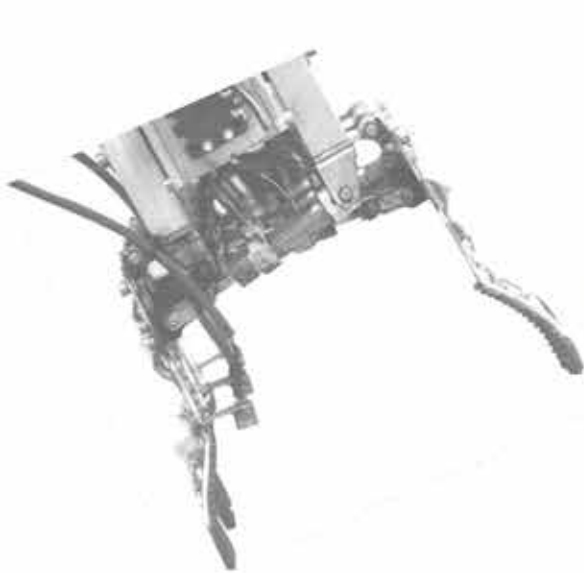


## Feed to Flow-Pack robotized cell.



- Tubs in boxes mosaic automatic configuration.
- High productivity.
- Reduced cycle time.
- Fast investment recovery.
- Automatic box server option.





- Layout orientativo de instalación

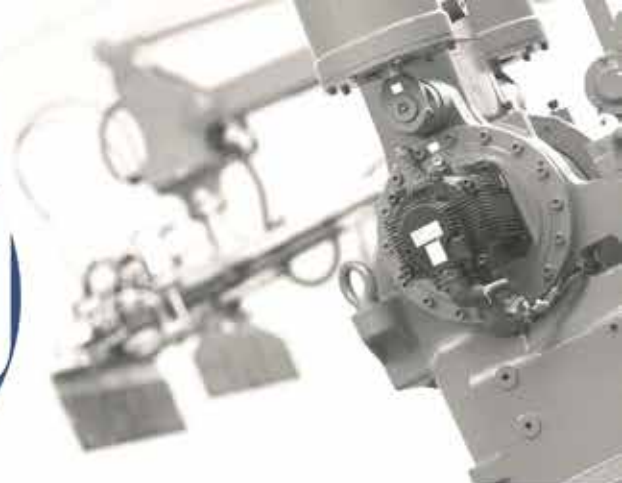
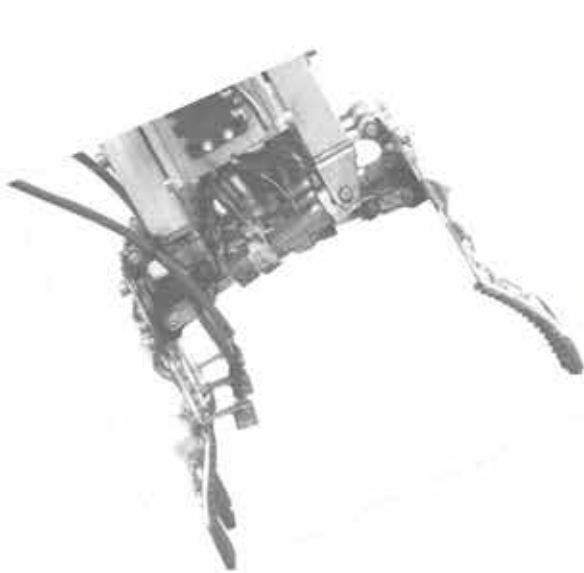
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Estimated power: 15 Kw.
- Air system: Vacuum pump/ Venturi
- Air pressure: 4/6 bar

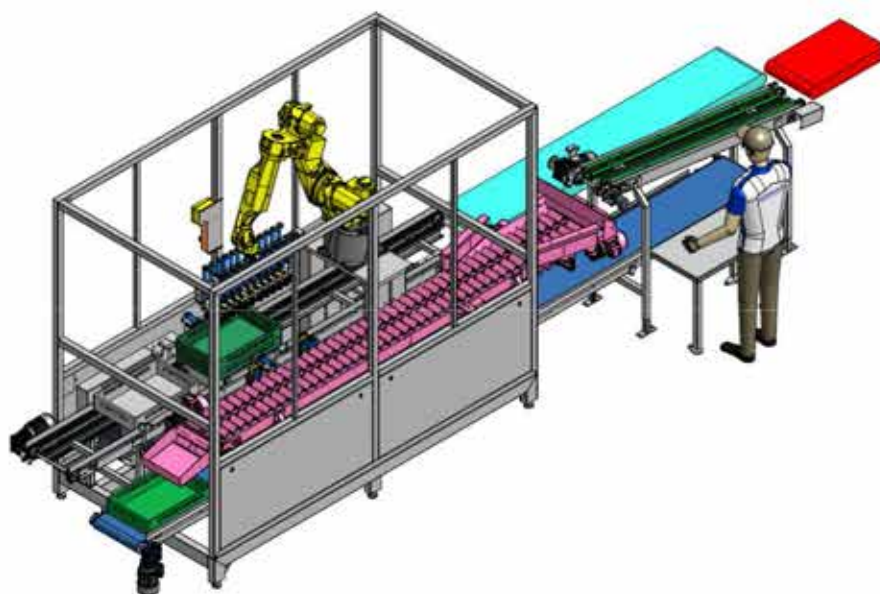
## Specifications

- Product: Fruit, seed fruit and citric.
- Packages: Baskets, trays, etc.
- Production: 60 cycles/min\*

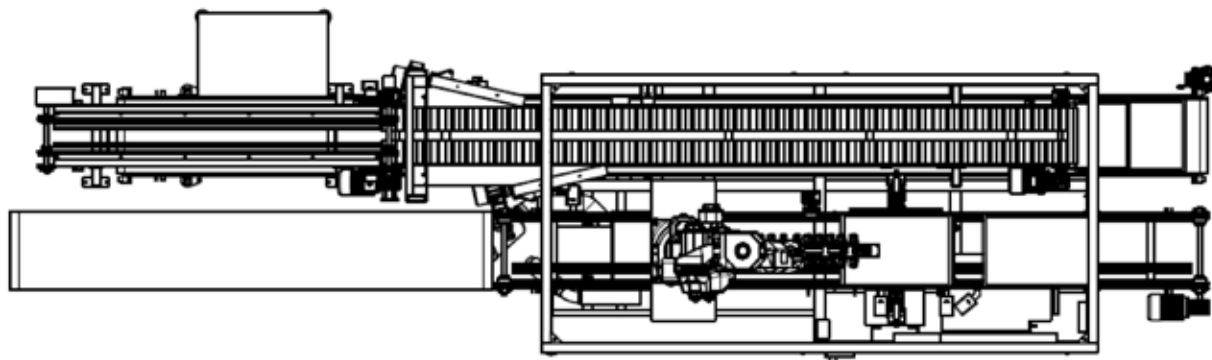
\*Note: Production will be according to product type and application.



## Cucumber/Zucchini box fitting robotized cell.



- Automatic layer configuration.
- High productivity.
- Reduced cycle time.
- Fast investment recovery.
- Automatic box server option.



- Layout orientativo de instalación

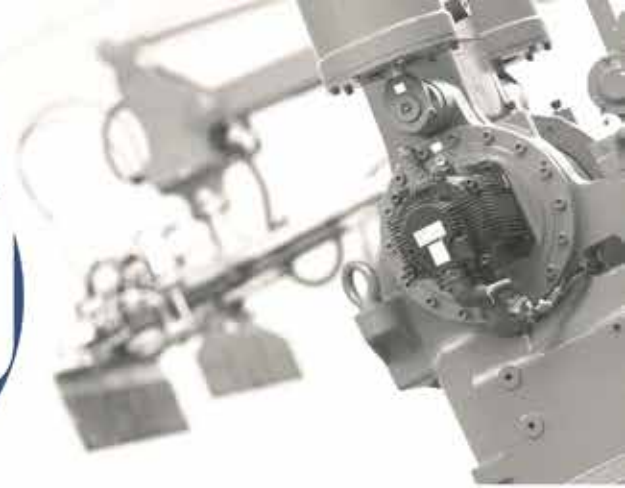
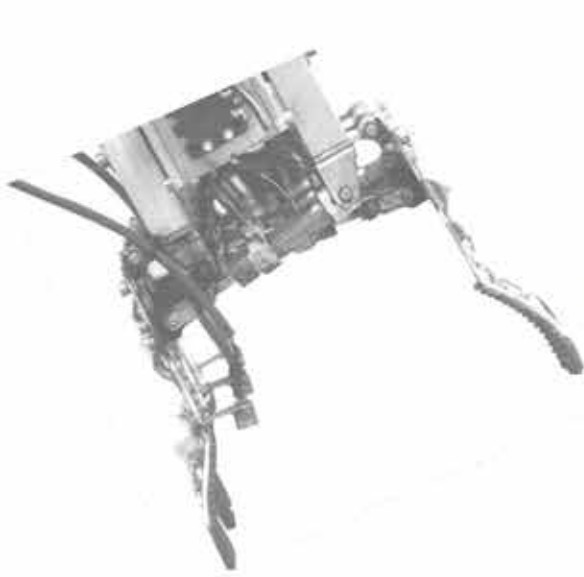
## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Estimated power: 15 Kw.
- Air system: Vacuum pump/ Venturi
- Air pressure 4/6 bar

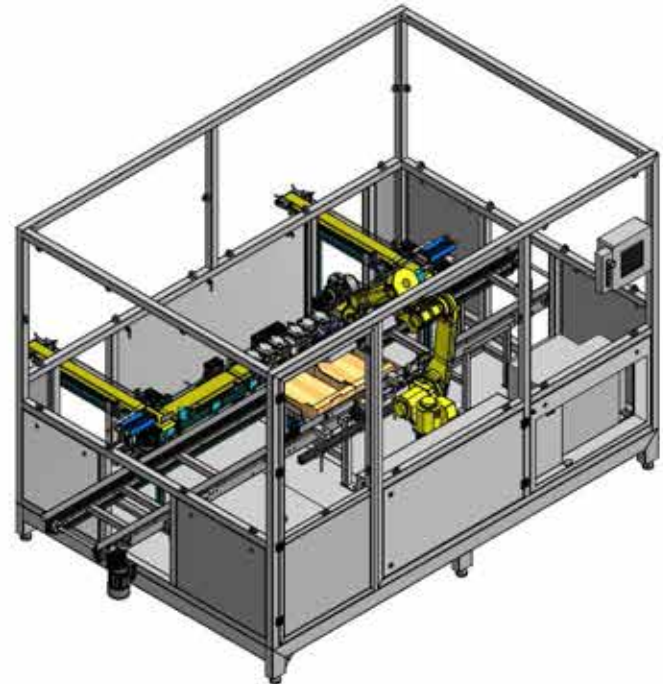
## Specifications

- Product: Cucumber, Zucchini.
- Packages: Box/plastic box.
- Production: 60 cycles/min\*

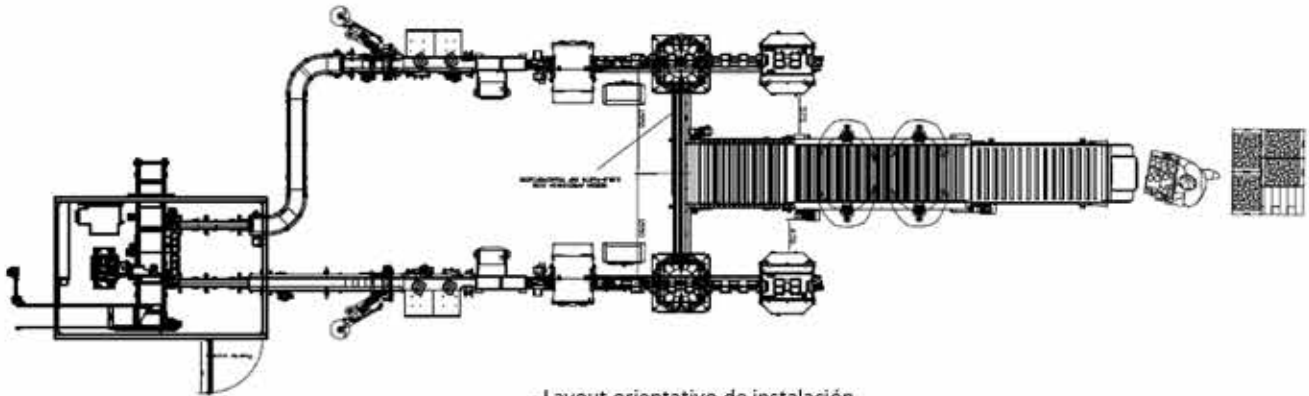
\*Note: Production will be according to product type and application.



Basket fitting into 100 piece boxes robotized cell.



- Horizontal only mosaic configuration.
- High productivity.
- Reduced cycle time.
- Fast investment recovery.
- Automatic box server option.



- Layout orientativo de instalación

## Technical specifications

- Power supply: 380-400Vac, 50/60Hz. 18.5 Kw.
- Estimated power: 15 Kw.
- Air system: Vacuum pump/ Venturi
- Air pressure 4/6 bar

## Specifications

- Product: Fruit, seed fruit and citrics.
- Packages: Baskets, trays, etc.
- Production: 100 baskets/min\*

\*Note: Production will be according to product type and application.