

# FROM 1925 TO 2007 ! RAISING OUR OLD HISTORY TO THE NEW TECHNOLOGY

PERELES BROS, INC ESTABLISHED IN 1925, OLDEST INJECTION MOLDING COMPANY IN WI. INSTALLED HYROBOTICS VECT SERIES TAKE OUT ROBOT IN April, 2007



CINCINNATI MILACRON 440 TONS



- PROJECT NAME : Simple Take out parts for 440 Tons IMM
- PARTS HANDLING : Molded Parts is delicate and has quality problem for handling and need more consistency in production.
- IMM : Cincinnati Milracon 440 Tons with Robot Interface card but no SPI Plug.
- ROBOT : HYROBOTICS VECT-400SA ( 1 Axis Servo with One touch Kick Position / Stroke Control with Wrench. HYBRID STYLE )
- EOAT : 2 Bellow Suction Cups with Surface angle and location adjustment bracket.

← After finished installation robot is in full production



## ● INSTALLATION TIME.

Robot mounting Preparation : 1 Hour  
 Robot Mount with Crane : 2 Hours  
 IMM Interface Wiring : 4 Hours ( without SPI )  
 Mechanical Set up and Run in Full auto ( 1 Hours )  
 Ran in Full Auto During Night Shift ( 7 Hours )

● Next Day : Training Service : 3 Hours →



**HYROBOTICS CORP**  
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 WWW.HYROBOTS.COM , Email : Sales@hyrobots.com

All information is subject to change without any notice .

# RAISING AUTOMATION MOTIVATION ! HYROBOTICS !

QUALITY PROBLEM SOLVED, BETTER MOLDING CONSISTENCY IN PRODUCTION AND LIGHT OUT PRODUCTION FOR 2ND AND 3RD SHIFT.



## ● BACK SIDE VIEW

VECT 400SA SPEC

1. 1700mm Traverse Stroke
2. 1100mm Descent Stroke
3. 300mm Kick Stroke
4. 90 Deg Chuck Rotation

- Traverse Axis : AC Servo Motor.
- Other Axis : Pneumatic Actuator
- Double Arm Support for more rigidity
- Telescopic Arm for Fast and low ceiling requirement.

- **QUALITY PARTS**
- **CONSISTENCY**
- **FAST CYCLE TIME**
- **LESS LABOR**

## Additional Features.

- Steel Traverse Base Frame for more rigidity
- Light but High strength Aluminum Extrusion for Kick Frame.
- Optimized body structure for long run job.
- Industry best component : Yaskawa Servo Motor and Festo Actuator.
- Rounded Design for Customer's Factory tour
- NSK Linear Motion Guide for quiet operation.



- Body Attached Control box for less foot print.
- IMM Interface interlock signal with Bright Blue and RED LED Signal to confirm Robot and IMM Interface
- Simple and Flexible Handy Controller.
- Mode Selection Programming.
- Input and Output can be review in the Palm Control Manual and Step, Full Auto Operation Key.
- Time Delay control.
- Magnetic Back Side.
- Other convenient molding automation features.



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