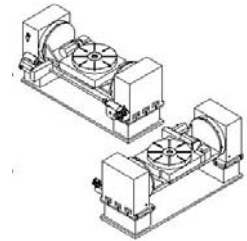
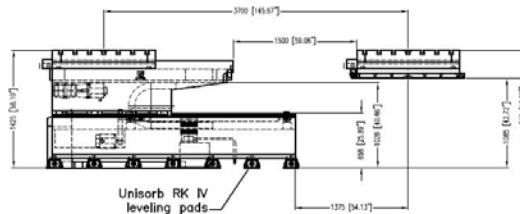
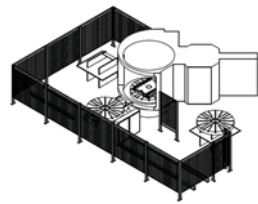




# Rusach International Design, Engineering & Manufacturing



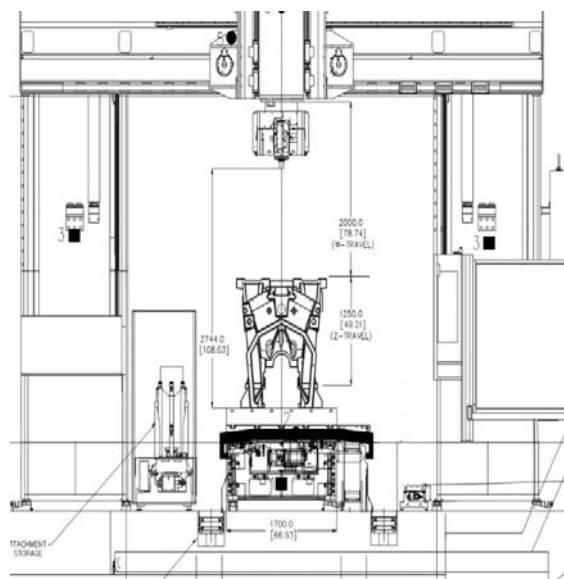
At **Rusach International** our design, engineering and manufacturing capabilities make us stand out from other rotary table and pallet automation systems manufacturers. We build rotary tables from **100mm to 8 meters** in diameter. We specialize in **high accuracy, production style, heavy load capacity and large part** rotary tables and pallet automation shuttle/storage systems. We build small ones too!

**We design, engineer and manufacture a system for your application!**

**Rusach International** systems are not exclusive and therefore can be integrated into any machine, control system or application. We do not believe in “Locking” a customer down with proprietary parts or packages of items that you do not need or want.

The Engineering and Technical staff at **Rusach International**, has the experience, background and training, to solve your challenges!

**Made in the USA**



**Contact us today!**

Proud partner with...



**HEIDENHAIN**



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**Every Challenge Has A Solution**

# Rusach International Design & Engineering Applications



## Application

- Tire Mold Manufacturing
- Customer Built a New Building for this Process.
- Organize Process Flow From one End of Building to the Other
- Building was almost the Length of a Football Field

## Solution

- Type 8-10 D1250
- FMS Serviced 13 Machines of Different Makes and Models
- 2 Pallet Sizes
- Double Level Storage System for Saving Space
- Rail Guided Vehicle, 52 Pallets, 48 Storage Locations
- Raw Material Loaded at One End and Finished Product Packaged at the Other End.

## Benefits

- Increased Productivity thru Greatly Reduced Manufacturing Times
- Overall Process Time Fell from 8 Weeks to 8 Days
- Complete Design & Engineering Solution, Turn-Key System



- Increase Production and Achieve a 2 Minute Chip to Chip Machining Time
- Maintain a Positioning Accuracy of +/- .05mm
- Pallet Change was Integrated as Fully Automatic at the End of the Machining Cycle

- Type 8-12 1500x2000
- A Single Drive Mechanism to Transfer the Pallets in & out of the Machine
- A 2-Position Shuttle Allowed for the Movement of the Completed Part Back to Load/Unload Position by the Control Panel of the Machine

- Increased Productivity thru Greatly Reduced Pallet Exchange Times
- Increased Quality and Reduced Waste thru Higher Accuracy
- Minimum Space Required for System
- Complete Design & Engineering Solution, Turn-Key System



- Large Diesel Engine Blocks Needed to be Machined on an Existing Machine
- Customer Wanted One Set-up to Machine Both the Heads and the Cylinder Bores
- System Needed to Provide Access to the Oil Passages in the Center of the Engine Block

- (2) 5-10 D1000
- Single Drive Connected Both Vertical Tables for Smooth Synchronized Movement
- Feedback System Connected Directly to the Axis of Rotation for Positioning Accuracy

- Increased Productivity thru Greatly Reduced Set-up and Machining Time
- Tables Supplied Customized to Customer's Control Interface to Minimize Installation and Commissioning Time
- Increased Part Quality & Machining Reliability
- Complete Design & Engineering Solution, Turn-Key System

**Made in the USA**

**Rotary Tables, Pallet Automation Systems, Metrology Solutions**  
**Design, Engineering, Manufacturing, Service, Repair, Maintenance**

**Every Challenge Has A Solution**