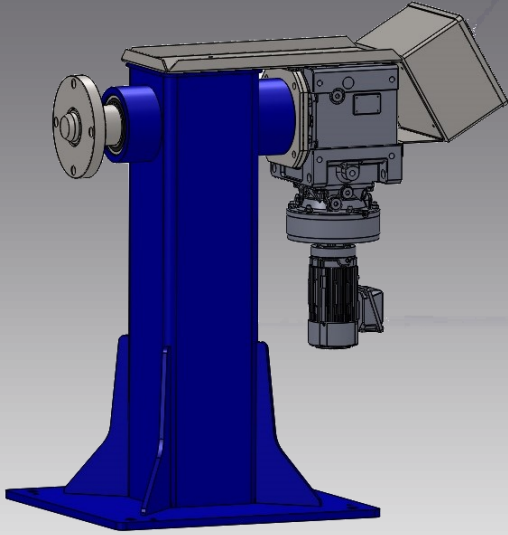




**POWERSTAND**





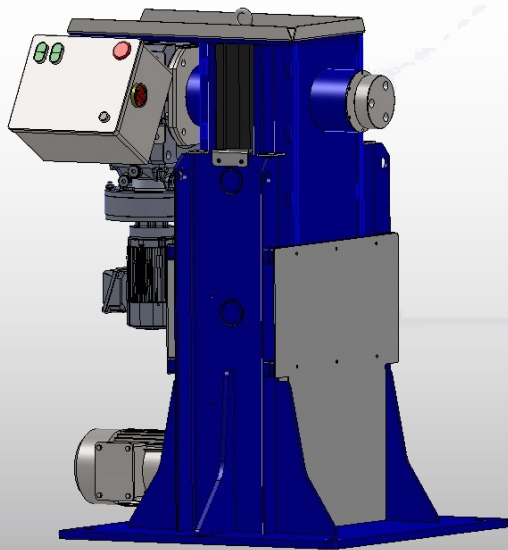
## Fixed Height Stand - RFH-xxxx

Rotating engine stand, floor mounted, fixed height. Rotates engine / workpiece clockwise or counterclockwise endlessly in either direction. Requires two handed operation. Press and hold an enable button while pressing a directional control button. Release either button, rotation stops and is held securely in place with an integrated brake motor, even when the center of gravity is not centered in the rotation axis. Tool tray is included. Operator controls can be mounted left, right or back. Power requirements: 230/460 3 phase up to 4/2 amps

**Note:** special foundation requirements may apply.

Model	Capacity	Load cntr	Speed	Torque	Mount	Base	Height *	Weight
<b>RFH-1000</b>	1000 lbs	24"	2.3 RPM	500 ft lbs	Floor	24" sq.	36"	425 lbs
<b>RFH-3000</b>	3000 lbs	32"	1.3 RPM	1500 ft lbs	Floor	31.5" sq.	37.8"	1085 lbs
<b>RFH-4500</b>	4500 lbs	36"	1.3 RPM	1843 ft lbs	Floor	31.5" sq.	37.8"	1250 lbs
<b>RFH-8000</b>	8000 lbs	48"	1.3 RPM	2500 ft lbs	Floor	42"x48"	40"	2240 lbs

\* Floor to center of rotation



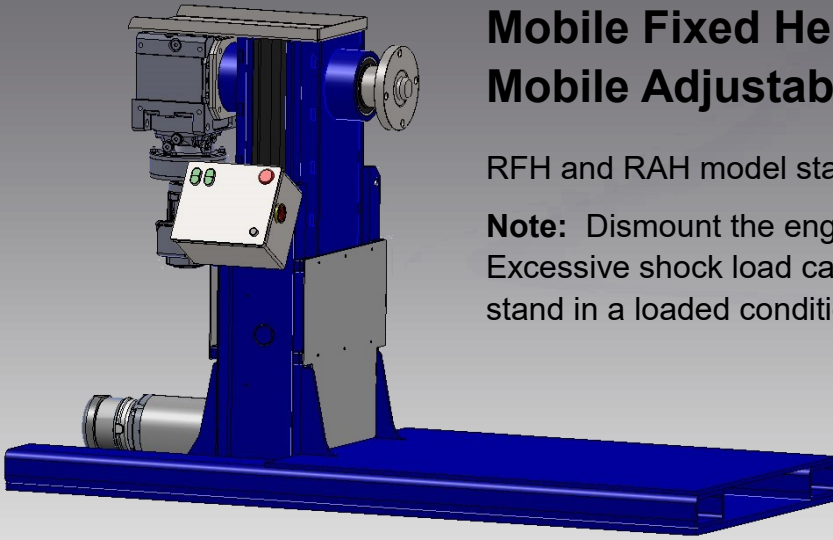
## Adjustable Height Stand - RAH-xxxx

Rotating engine stand, floor mounted, adjustable height. Rotates engine / workpiece clockwise or counterclockwise endlessly in either direction. Also raises and lowers engine / workpiece for added access and clearance. Requires two handed operation. Press and hold an enable button while pressing a directional control button. Release any button, rotation or raising / lowering stops. Positions are securely locked in place with integrated brake motors, even when the center of gravity is not centered in the rotation axis or the stand is under full load. Tool tray is included. Operator controls can be mounted left, right or back. Power requirements: 230/460 3 phase up to 12/6 amps

**Note:** special foundation requirements may apply.

Model	Capacity	Load cntr	Speed	Torque	Mount	Base	Height - Min/Max *	Weight
<b>RAH-1000</b>	1000 lbs	24"	2.3 RPM	500 ft lbs	Floor	24" sq.	30" / 48"	425 lbs
<b>RAH-3000</b>	3000 lbs	32"	1.3 RPM	1500 ft lbs	Floor	31.5" sq.	32" / 48"	1385 lbs
<b>RAH-4500</b>	4500 lbs	36"	1.3 RPM	1843 ft lbs	Floor	31.5" sq.	32" / 48"	1550 lbs
<b>RAH-8000</b>	8000 lbs	48"	1.3 RPM	2500 ft lbs	Floor	42"x48"	25.5" / 65.5"	3190 lbs

\* Floor to center of rotation



## Mobile Fixed Height Stand - RFH-xxxx-M Mobile Adjustable Height Stand - RAH-xxxx-M

RFH and RAH model stands on mobile platforms.

**Note:** Dismount the engine / workpiece prior to moving the stand. Excessive shock load can result when transporting / moving the stand in a loaded condition causing catastrophic failure.

Model	Capacity	Load cntr	Speed	Torque	Mount	Base	Height *	Weight
RFH-1000-M	1000 lbs	24"	2.3 RPM	500 ft lbs	Floor	40"x72"	38"	1130 lbs
RFH-3000-M	3000 lbs	32"	1.3 RPM	1500 ft lbs	Floor	40"x83"	38"	1750 lbs
RFH-4500-M	4500 lbs	36"	1.3 RPM	1843 ft lbs	Floor	40"x83"	38	1900 lbs
							<b>MIN / MAX</b>	
RAH-1000-M	1000 lbs	24"	2.3 RPM	500 ft lbs	Floor	24" sq.	33" / 48"	1330 lbs
RAH-3000-M	3000 lbs	32"	1.3 RPM	1500 ft lbs	Floor	40"x83"	33" / 48"	1950 lbs
RAH-4500-M	4500 lbs	36"	1.3 RPM	1843 ft lbs	Floor	40"x83"	33" / 48"	2150 lbs

\* Floor to center of rotation

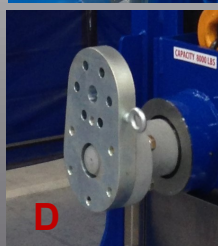
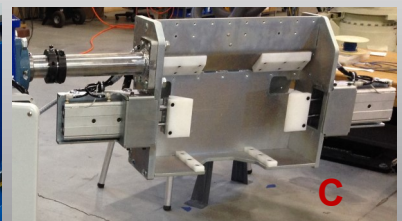


Model: RAH-8000

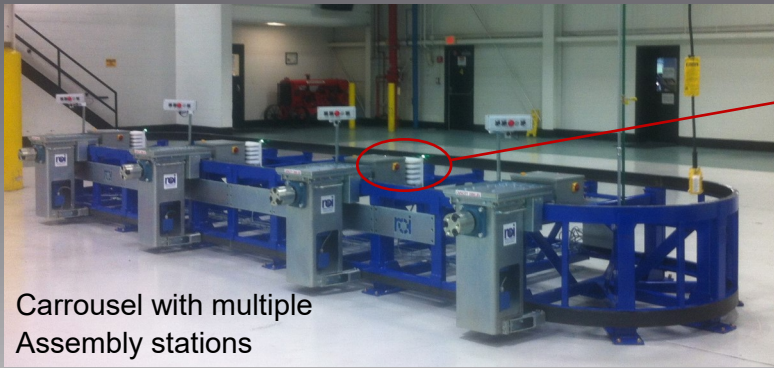


## Fixtures and Motor mounts

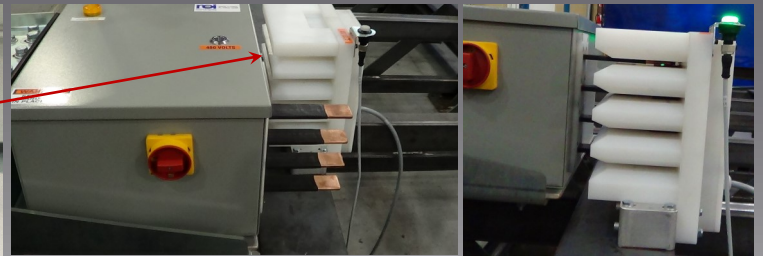
- A** Die Exchange Plate mounted in a jib crane column TBD
- B** Motor mount for Diesel engines - connects to transmission MA11-16
- C** Assembly fixture for brake calipers TBD
- D** Motor mount for 6500 lb. engine TBD
- E** Assembly fixture for aircraft engine TBD







Carrousel with multiple  
Assembly stations



### Customized Electrical Distribution

Station is powered only when assembly station  
is engaged in the electrical distribution block.



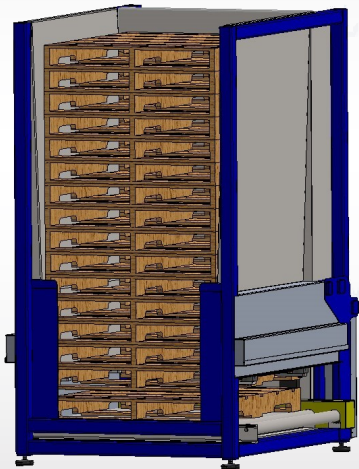
Rotary Manipulators



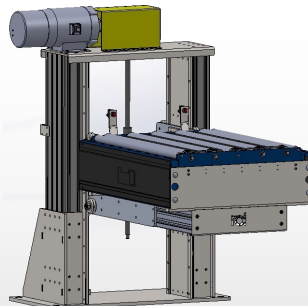
**PALLETPOD**  
The Mobile Compact Palletizer



Layer Grippers



Pallet Dispensers



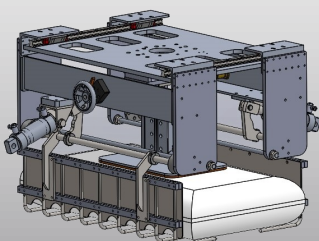
Lifts



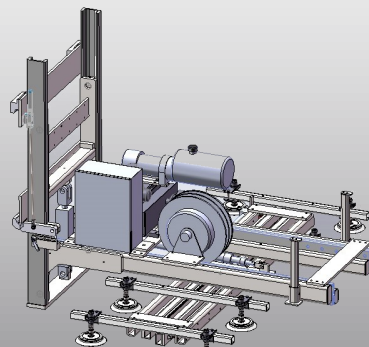
Robot Pedestals



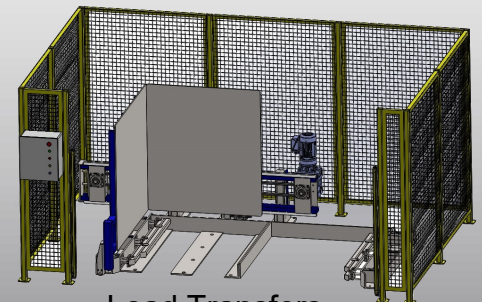
High Flow  
Vacuum valves



Bag Grippers  
Custom EOAT



Forklift Attachments



Load Transfers

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