

Two Position, 80 Degree Tilt Turntable



APPLICATION:

An automotive manufacturer requested an ergonomic method to slide large parts into vertical rack slots. The bending and reaching movements exceeded those that would be considered ergonomically safe. Also, they needed to develop a more productive way of replacing empty racks.

SOLUTION:

Airfloat designed and manufactured a Two Position, 80 deg. Tilt Turntable. The tilt turntable is 13 ft in diameter and has a capacity of 6,000 lbs. It has powered rotation with 180 deg. rotation stops. The racks are placed on these turntables and tilted to eliminate excessive bending and reaching by the operator. Also, the operators are now able to lift parts from the edge versus the middle, giving better balance and maneuverability. Since the operator can now keep a steady pace without injury risk, productivity has increased as well.

BENEFITS:

- Ergonomic tilters reduce injury risk.
- Increases productivity
- Improves handling methods of parts, reducing damage
- Operator control panel and powered rotation
- Fully pneumatic, reducing maintenance concerns