

ROTATOR FOR AUTOMOTIVE WIND TUNNEL TESTING

SPECIALTY SOLUTION #28

AUTOMOTIVE

- 10,000 lb capacity, mechanical actuation, 177" diameter
- Positions vehicle to 0.005" accuracy with no deflection
- Large industrial slewing ring with an internal rack
- Interface ready with a servo-motor to the main system and built-in x-ray machine controls



Handling Specialty custom engineered and manufactured a rotator that was used in an automotive laboratory wind testing system, where different car models were driven onto the rotator and then turned to face the wind tunnel.

Critical to the solution was that the rotator would not move when subject to the different environments imposed on it during testing, so as not to affect results. The top of the rotator was manufactured in two pieces to fit the customer's existing facility layout.