

## Model No. PB Success Story

- Industry** : Industrial Equipment
- Application** : Turnstile (entrance gate in amusement park)
- Product** : Closed loop stepping systems  
PBDM603-C20  
(60 mm with 1/20 reduction gear + DC driver)
- Quantity** : 24 pcs/order (2 axes/machine)
- Use** : To synchronize operation of the 2 flap barriers on the turnstile
- Request** : It is difficult for the flap barriers to hold against external forces with the current DCBL motors.
- Solution** : We proposed customer to use PB products with holding forces no matter its energized or not. Engineers visited customer and carried out external force evaluation with PB demonstration units. With the holding force, low backlash gear and torque performance that fulfill customer's requirements, customer accepted our proposal and adopted PB motors in their machines.
- Merits** : Holding force of stepping motor (energized: holding torque, not energized: detent torque) solved the external force issue. Closed loop system is easily built by using PB motor with encoder.

