

# Closed Loop Stepping Systems Success Story

**Industry** : Industrial Machine

**Application** : Etch Equipment (semiconductor)

**Product** : SANMOTION Model No. PB  
28 mm sq. PB, 4-axis EtherCAT Driver

**Quantity** : 600 sets/year (9600 axes)

**Use** : Wafer temperature control machine

**Request** : Switch between hot and cold water (with different water pipes)  
Conventional machine using heater takes a long time to adjust water temperature. Customer needs products with the followings:  
1. Compact in size, with position detection function  
2. Low cost (cheaper than servo systems)

**Solution** : Suggested customer to use PB motor with abs. encoder (MA018)

**Merit** : Customer is able to produce a compact and lightweight machine while reducing total costs.

