

## Model No. PB Success Story

<b>Industry:</b>	Industrial equipment
<b>Application:</b>	Automatic guided vehicle
<b>Description:</b>	AGV is a vehicle used to move materials around manufacturing facilities or warehouses without a driver
<b>Product:</b>	Closed loop stepping motor, 60 mm sq., PBM603FXE20 Switching from other manufacturers to SANYO (Shinano stepping motor + AVAGO encoder)
<b>Quantity:</b>	300 axes/spot (4 axes/machine)
<b>Use:</b>	Used in the 4 wheels of AGV. Wheel position and speed can be checked by encoder signal and each wheel can be controlled separately.
<b>Request:</b>	Customer bought motors and encoders from different manufacturers and it's difficult to define liability (warranty) when operation problem happens. It also takes a lot of manpower to assemble encoders to the motors.
<b>Solution:</b>	We recommended 2 phase motor (with encoder) to customer.
<b>Merit:</b>	Manpower is reduced and production speed is improved. Product responsibility is clear and it takes less time to solve operation problems.

