

APPLICATION NOTE: **BASEBALL PITCHING MACHINE**

Two wheels (usually tires) are driven by DC motors in opposite directions and are aligned close enough to each other to squeeze a ball between them. As a baseball is introduced between the wheels, it is propelled out the other side like the spitting of a watermelon seed. The speed the wheels are turning determines the velocity of the pitch. Slight differences between the wheel speed can also give different trajectories to the ball.

On this application the motors were one horsepower and the controls were 125DV-C-55G. There was a small PLC on the machine which could automatically adjust the speeds by giving a voltage command signal to the control isolator (-55G option).

