

### **Measuring speed, velocity and acceleration**

In laboratory experiments speeds, velocities and accelerations can be measured with a ticker-tape timer.

As a small model truck pulls a paper tape through the timer, a pen taps a dot onto the tape fifty times each second. Each pair of dots shows how far the truck moved in one fiftieth of a second (0.02 s), so you can measure the motion of the truck by measuring the spacing between the dots.