

## Application Story

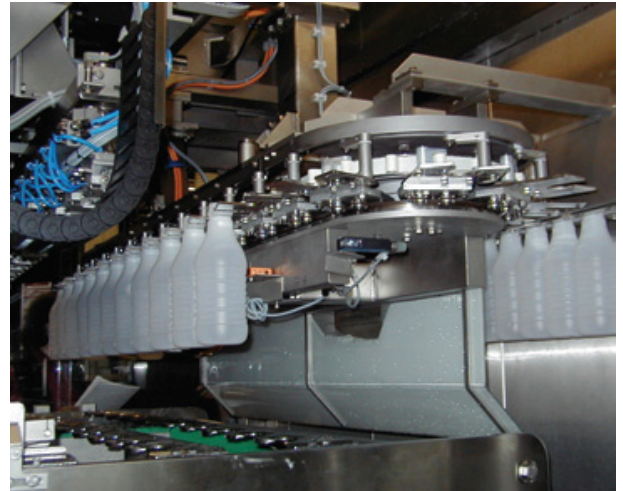
# HepcoMotion® Filling Application

Bottle filling and sealing at high speed requires compact systems capable of working at high speeds for long periods under a variety of loading conditions.

The HepcoMotion PRT, Precision Ring & Track system provides an ideal solution, based around the well-proven “fit and forget” benefit that comes as a result of using any HepcoMotion manufactured vee product.

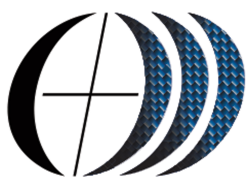
The bottles being filled, in this instance, with milk, can be filled at the rate of 12,000 an hour utilizing 30 individual linked carriages driven at a continuous speed of 1.4m/s with an acceleration of 5m/sec<sup>2</sup> around the curve. The track system length is 1800mm long with a curve diameter of only 318mm. The bottles are sealed during the same operation; the machine being capable of handling bottles from 0.25 litres to 2 litres with all the associated system loading that applies at high-speed operation.

Being a filling machine the track system and bearings are all produced in stainless steel, making system cleaning easy to conduct. Normal production is 24 hours/day except when essential cleaning has to take place between shifts.



### Products Used

PRT (Precision Ring Track)



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