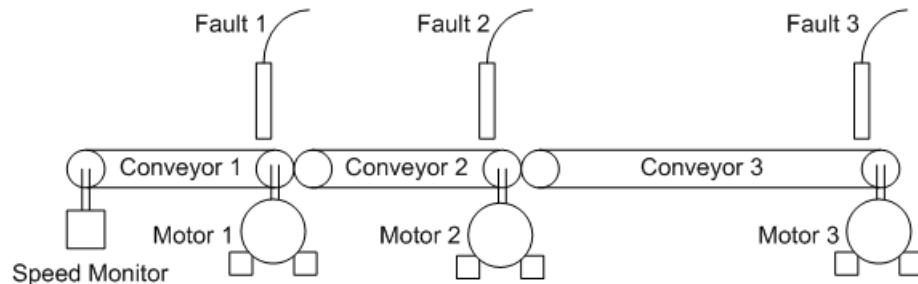# The Conveyor Application

**Conveyor Application**

For the purposes of creating a simple application and program, a simple three-conveyor application will be used. Control will be provided for starting, stopping and fault monitoring.



The start control will simply start all three conveyors at the same time although for better control, timers could be used to feed product in a controlled way or distribute startup current for the motors.

Shutdown is normally timed to allow product to clear the conveyors before each is shutdown. This section will allow the demonstration of timer programming

Fault monitoring can determine whether there is a problem and take the appropriate action to prevent spillage or damage. A speed monitoring program will also describe the configuration of analog value manipulation and the use of the analog input.

For any application it is important to have a list of the addresses of all I/O and internal registers.