

# Applications I

## Preventing Assembly Omissions and Other Mistakes

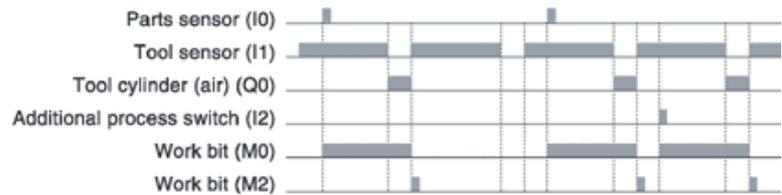
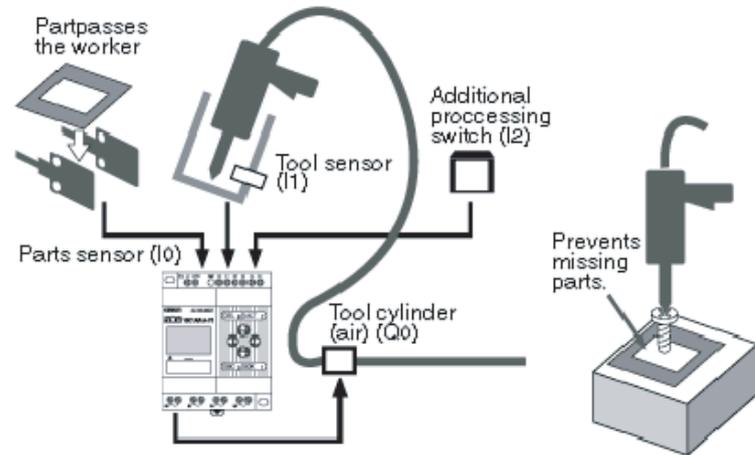


### ● Bit Logic Applications

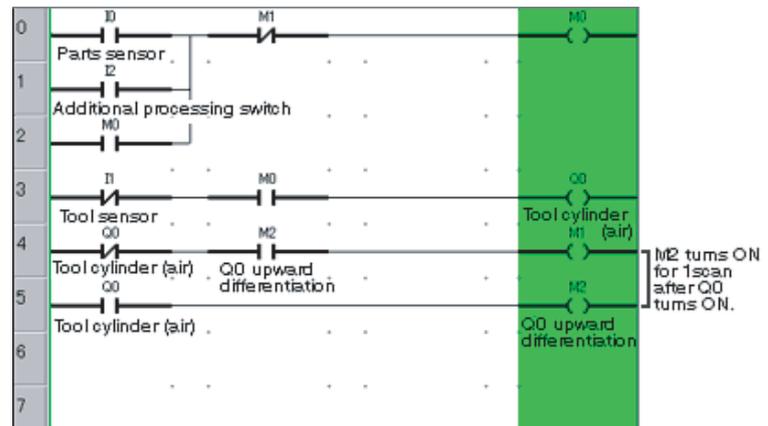


The amount of cell-based production among workers is rising to meet the demands of small-lot manufacturing. Careless human errors like forgetting to mount a part must be eliminated from the assembly work performed in these cells. In this example, the compressed air driver will not turn ON and will not receive air if the part to be assembled is not detected by the sensor. This decreases the rate of careless errors.

#### ■ System Configuration



#### ■ Example Program



The compressed air driver turns ON if you use it after the parts sensor turns ON. However, it does not turn ON if you use it while the parts sensor is OFF. If additional processing is required after the driver is placed back in its stand, then press the additional processing switch (I2) to turn ON the air to the driver.