

# DIGITAL I/O DETECTING LOGIC STATES

**CONCEPT** Digital electronics have just two logic states, on or off. The on and off states are represented with a “1” for on and a “0” for off when coding a language the computer will understand. This code is called Binary Language.

## BACKGROUND

The CNC mill usually has a table that moves in the X and the Y axes, and a tool spindle that moves in the Z axes. In 1972 Computer Aided Design (CAD) and Computer Aided Machining (CAM) were in their early stages. By 1989, the CNC machines were the industry standard.

## REAL WORLD CONNECTIONS

CNC mills are perfect for industry work, but they are really good machines for small businesses as well. They are made to mass-produce pieces from various materials, like aluminum, stainless steel, titanium, and nylon. The CNC mill mechanically cuts material away from a workpiece.

