

# Monitor vacuum pressure for printing press pickups

## APPLICATION C187

Type of Company: [Printing](#)

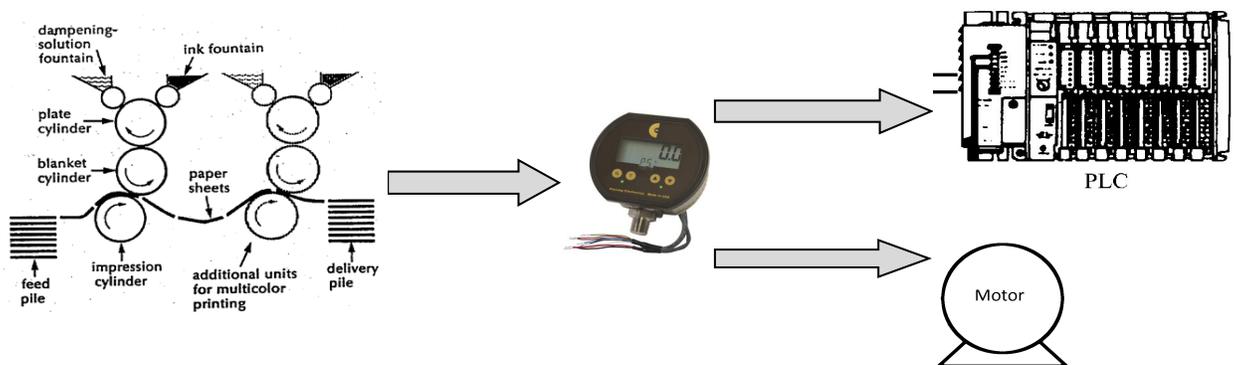
Location: [Texas](#)

The production of currency is not an easy or simple task, but rather one that involves highly trained and skilled craftspeople, specialized equipment, and a combination of traditional old world printing techniques and sophisticated, cutting-edge technology. Offset printing, required to add subtle background colors to the paper, is the first printing operation that occurs on the "blank" paper sheets. A vacuum pickup feeds a blank sheet to the offset press, after which the paper passes between the face and back blankets. In this fashion, the press simultaneously prints a complete image on the paper.



## The Engineering Issue

- The engineer needs to accurately monitor the vacuum pickups but the digital gauge she currently use does not withstand the presses vibrations.
- The engineer requires a rugged gauge with an alarm to shutdown the motors on the press if the vacuum pickup is not operating properly.



The engineer used a Ccomp Ultra-Ruggedized F16DAR gauge. This gives the engineer an accurate visual readout, an analog signal to send to the operational PLC and an alarm signal to shutdown the motors on the press if the vacuum pickup system is not operating properly.

**Problem. Solved.**