

PRO-FACE APPLICATION EXAMPLE

Traversing Inkjet System Motion Control Application

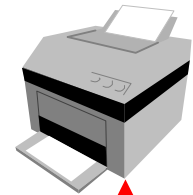


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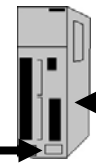
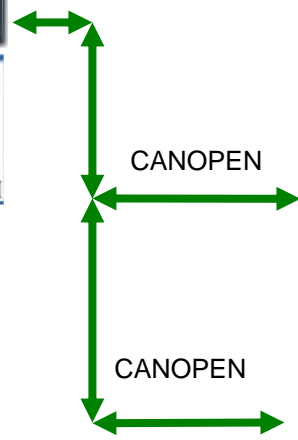
Traversing Inkjet System

GP 2301

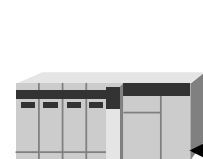


Industrial
CIJ Printer

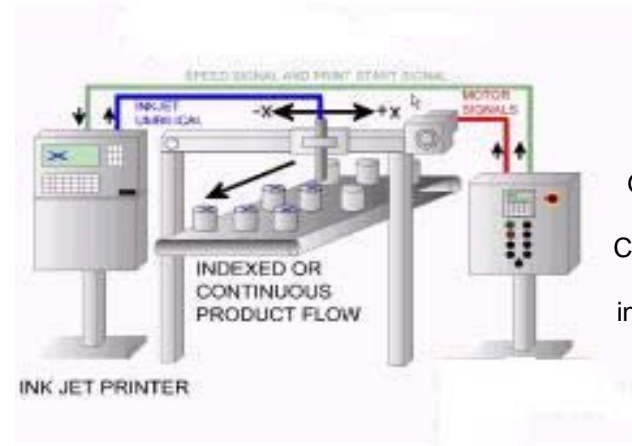
The PLC and drive
are both one unit.



X Axis
Motor



Y Axis
Motor



GP 2301
with
CANOPEN
module
installed in
cabinet

INK JET PRINTER

Dual Axis stepper motor printing

GP2301 HMI programmed in GP Pro C is communicating over CANBUS to two Twinline Controllers with imbedded drives. The HMI controls speed, direction, Print positions and error handling. This example is a dual axis inkjet application. Positive and negative limit switches are tied to both master and slave PLC's to give the motor a home position. The motors are both steppers. The high speed outputs on the PLC will send signal to printer once the X or Y motor reaches the correct position entered by the HMI.