

**Title:** Is a serial converter required when using a Renishaw RESOLUTE encoder?

**Product(s):** Sigma-5, Sigma-7, SigmaTrac

**DOC. NO.** SRV-1SXGLH

No, the RESOLUTE is an absolute optical encoder system available with Yaskawa serial communications which eliminates the need for a serial converter unit between the encoder read head and the Yaskawa SERVOPACK.

Because there is no longer a serial converter unit there are two major changes to the start-up procedure. The first change is that the encoder resolution is automatically detected by the drive and does not need to be set in Pn282. The second change is that the motor parameter file located on the serial converter unit will need to be written to the encoder read head from SigmaWin+. For further details, see the Application Note: AN.MTN.08