**FEEDER APPLICATION WITH H0U**

With Inovance H0U we have done feeder application.

Key points:

1. Measuring roll is used where encoder is mounted.
2. Analog output to drive for speed reference.
3. MD310 drive.
4. H0U-1616MRT-XP-6AT-INT (with built-in analog input).

Logic:

1. Set length on HMI screen.
2. Measure length using encoder, say encoder PPR is 4096 and circumference is 100mm. For 2500mm set length, encoder revolution will be 25 and so we get 4096\*25=102400 pulses.
3. I use two speed, one is high speed and slowdown speed.
4. When machine starts it’ll go maximum speed set in HMI and when material is 100 mm less than set length, I’ll switch to slowdown speed, using this method you get good accuracy.

This is a 2 speed solution. Correct?

Yes, correct.

Which accuracy could you achieve?

+/-1mm

Which type of encoder can we connect to H0U?

Line driver, incremental encoder, 1024 PPR

In this application with H0U, are we giving speed reference to the drive by analog signal, or we just select 2 speeds? (high and creep).

In this application we are using analog signal, analog signal without speed profile but 2 speed as high and creep speed.