

# TrueSpeed Sensor

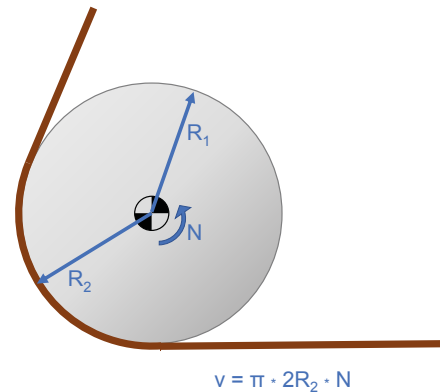


## Measure what matters: surface speed

- Detect slipping rolls and reduce machine clothing wear
- Reduce input errors and hard-to-find runnability problems
- TrueSpeed makes measuring easy, quick, and dependable!

## Why relying on the drive control system is a bad idea

Every piece of Paper Machine Clothing must run at precisely controlled speeds. But controlling those individual speeds comes from the drive control system making a calculated guess: multiplying the roll diameter and the thickness of the felt or fabric with  $\pi$  and the revs of the drive.



Manually inputting data puts you at risk of all sorts of errors, from typos and incorrect data, to forgetting to update the data after changing a roll or fabric. Combine this with the fact that slipping rolls often go undetected - while the drive control system shows all section speeds are correct - and you're left facing numerous breaks, unusual draws, sheet surface defects or worn out machine clothing.



## Measure within a minute: no more guesswork

The TrueSpeed Sensor is the fastest way to check the actual surface speed of your rolls and machine clothing - helping you easily identify speed differences caused by input errors and slipping drive rolls. The sensor is ready for use in a minute and the measurement itself will take about the same. The TrueSpeed can be used on almost any position, whether wet or dry, hot or cold, stable or vibrating.



**Note:** the TrueSpeed Sensor needs to be combined with a Feltest SpeedController (not included).

### The TrueSpeed Sensor comes with

- Frame with pulse generator and adjustable handgrip
- Two measuring wheels; one general and one for wet felts
- Tools to exchange the wheels
- A break-away connection cable for enhanced safety



### Specifications

Required control unit	Feltest SpeedController
Measuring principle	Count the pulses from magnets in the wheel
Range	10 - 3000 m/min   30 - 9800 fpm
To be used on	Machine clothing, rolls, dryer cylinders
Accuracy	± 0.05% of full scale
Read-out units	m/s, m/min, km/h, fps, fpm, fph
Max. length including hand grip	300 mm   1 ft
Length of the cable	Approx. 2 m   6.5 ft
Protection level	IP68 (when connected to SpeedController)
Total weight	1,2 kg   2.6 lbs.