



# VERSATEC™ S6

## Instruction Manual Addendum

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### VTCE-S6, VTC-S6

#### INTRODUCTION

The VERSATEC S6 software allows an operator to adjust the RADIUS CHANGE RATE, SENSOR GAIN and SENSOR GAIN MULTIPLIER. These three options only require adjustment when the rolls are severely out of round or when the material cannot be detected correctly. They are available when operating in the TENSION MODE.

#### PROGRAMMING

The RADIUS CHANGE RATE limits the rate of change of the output of the VERSATEC, thereby ignoring sudden roll radius changes detected by the US-2 sensor. RADIUS CHANGE RATE is given in inches per second (in/sec) or millimeter per second (mm/sec)

##### English Units

$$\text{RADIUS CHANGE RATE} = tv/10\pi r$$

t = web thickness (in)

v = maximum web velocity (ft/min)

r = core radius (in)

##### Metric Units

$$\text{RADIUS CHANGE RATE} = 25tv/3\pi r$$

t = web thickness (mm)

v = maximum web velocity (m/min)

r = core radius (mm)

The US-2 has two gain adjustments.

SENSOR GAIN is set to 255 as default. This value works with most material types. If the distance displayed on the SENSOR GAIN screen is incorrect or fluctuates, reduce this value. SENSOR GAIN has a maximum value of 255 and a minimum value of 1.

SENSOR GAIN MULTIPLIER is set to X1 as default. This setting works with most material types. When a sounder absorbing or open material is used, the SENSOR GAIN MULTIPLIER can be set to X2, which is twice as high as X1.

Refer to the following flowchart for the location of each of these parameters in programming.



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