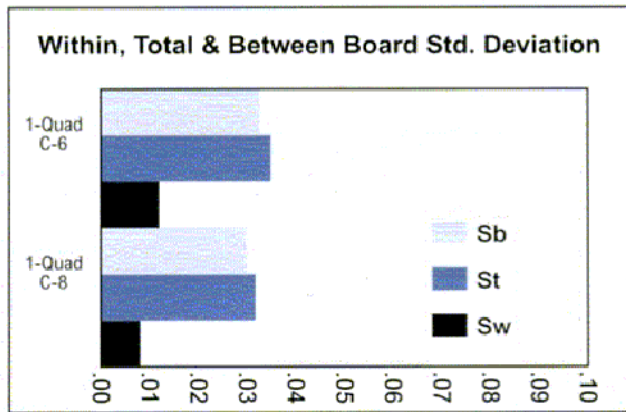
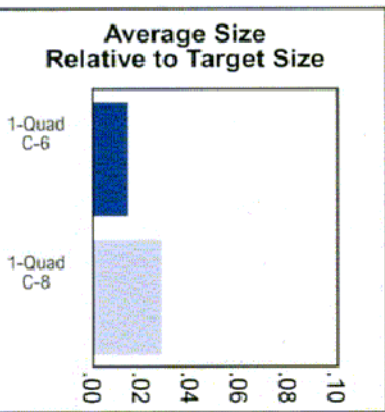


# DON'T JUST TAKE OUR WORD FOR IT!

Here are sawline summary reports taken independently on production runs by a major western mill: results that convinced them to switch to Cougar Vari-Pitch and then to COUGAR XX Tension Stabilizing.

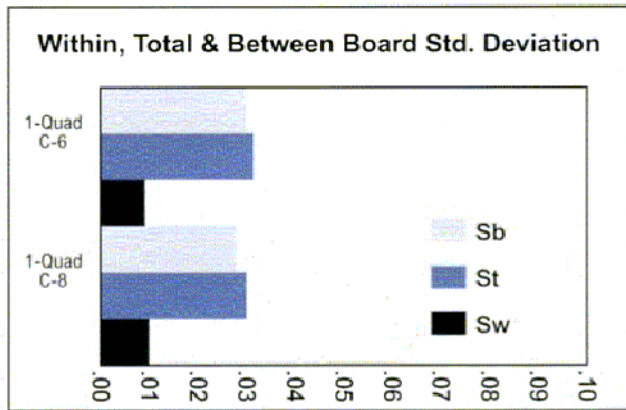
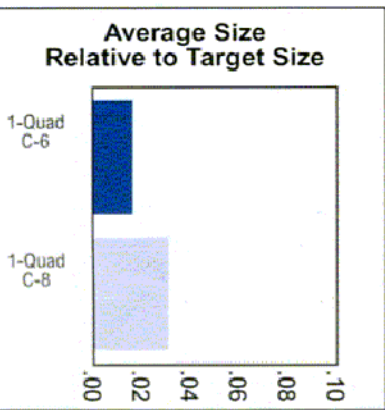
It is comparative in-service results like these that have profit-minded mill managers switching to Vari-Pitch Bandsaws and COUGAR XX Tension Stabilizing. (See also our COUGAR XX Product Sheet.)

## COUGAR STANDARD TOOTH/STD.



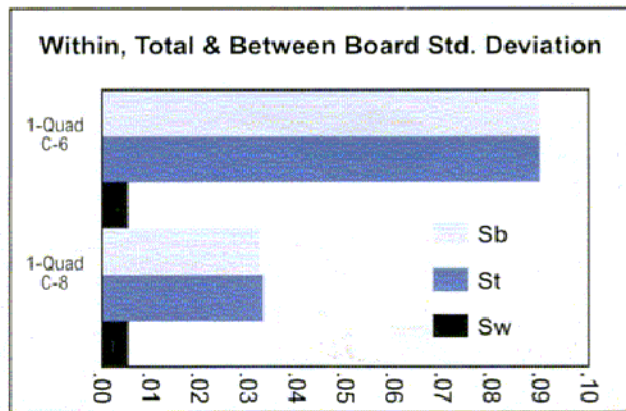
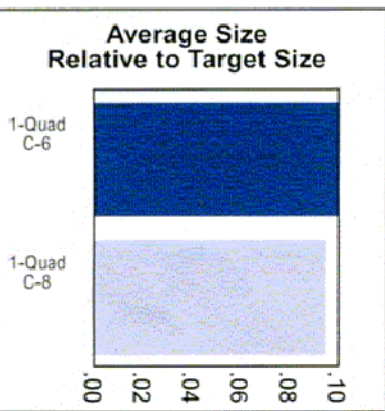
Saw Line	Trgt	Avg	Sw Obj	Sw*	Sb Obj	Sb	St Obj	St	Avg
1-Quad C6	5.813	5.824	0.030	0.012	0.030	0.031	0.040	0.033	11
1-Quad C8	7.750	7.772	0.030	0.010	0.030	0.028	0.040	0.030	11

## COUGAR VARI-PITCH/STD. PLATE



Saw Line	Trgt	Avg	Sw Obj	Sw*	Sb Obj	Sb	St Obj	St	Avg
1-Quad C6	5.813	5.824	0.030	0.007	0.030	0.028	0.040	0.030	9
1-Quad C8	7.750	7.776	0.030	0.008	0.030	0.027	0.040	0.029	9

## COUGAR XX VARI-PITCH TENSION STABILIZED PLATE



Saw Line	Trgt	Avg	Sw Obj	Sw*	Sb Obj	Sb†	St Obj	St	Avg
1-Quad C6	5.813	5.977	0.030	0.004	0.030	0.090	0.040	0.090	7
1-Quad C8	7.750	7.843	0.030	0.004	0.030	0.031	0.040	0.032	7

## CHECKING FOR CAUSES OF GULLET CRACKS

### Cracks caused by faults in the blade

Possible causes of gullet cracks:

- Unsuitable tooth shape
  - Gullet capacity too little
  - Teeth too high
  - Gullet radius too small
- Coarse grinding scratches
- Overheating during grinding (“burning”)
- Excessive tensioning
- Uneven blade back
- Incorrect blade thickness in relation to bandsaw wheel diameter

### Cracks caused by faults in the bandsaw machine

Possible causes of gullet cracks:

- Vibrations in bandsaw machine
- Eccentricity of bandsaw wheels
- Worn bandsaw wheel surfaces
- Blade subjected to too little or too much strain force
- Asymmetrical stresses in blade
- Sawdust/chips lodged between blade and wheels
- Worn bearings
- Excessively high sawing rate
- Incorrectly positioned blade, tooth base line for than 5 mm (0.20”) outside wheel edges

\* Within board deviation

† Temposonic networks acting up.