

PRECISION ROLL GRINDING BRINGS MACHINE IMPROVEMENT







PRECISION

ROLL GRINDERS

Over 50 years of value-added service

WEBINAR SERIES



TISSUE MILL EFFICIENCY ISSUES

- Contamination (build-up on bone hard rubber or chrome rolls)
- Sheet breaks due to stickies
- Rejects due to sheet holes
- Converting issues due to picking
- High doctor blade usage







ROLL CLEANLINESS ISSUES THE SOLUTION **THE PROBLEM**

- Bone hard rubber and even chrome have very few release characteristics
- Glue boxes, recycled fiber content and other process additives lead to build-up on roll faces
- Contamination eventually leads to holes and picking on sheet
- Upstream problems in converting, sheet breaks, down-graded product

- Dual-layer coating technology offers high wear resistance and release characteristics
- Rolls require little to no intervention for cleaning
- Doctor blade wear is reduced/eliminated
- Less rejected material from converting
- Less water usage for cleaning showers







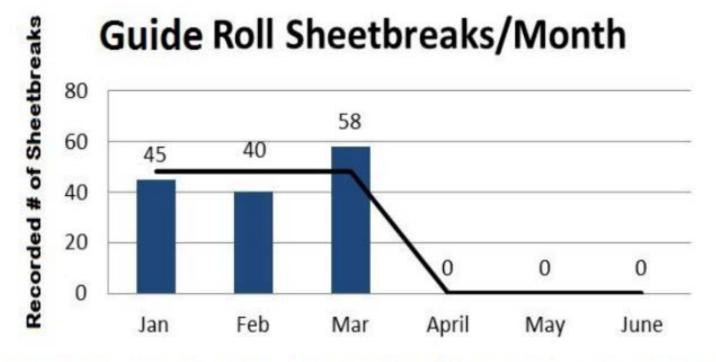
COATING TECHNOLOGY SEVERAL OPTIONS AVAILABLE FOR ANY DEMANDING

COATING APPLICATION!

- Individual application evaluation for custom solutions
- Proven technology with industry leading coating system integrators
- Case study development to statistically verify performance data



Product	Application	Surface Texture	Macro Hardness RC	Conductivity		General	FDA
				Electrical	Thermal	Friction	Complia
PC-315-2	Upper & Lower Stretch Rolls Seal Rolls Toe Rolls Glue Containment Box	100+/- 50	58	Moderate	Moderate	Low	Yes
PC-236HT	Pre-Dryers	350 +/-50	72	Excellent	Excellent	Low	No
PC-43036-3		100 +/- 50	72	Moderate	Moderate	Low	Yes
PC-336-3		100 +/- 50	72	Moderate	Moderate	Low	Yes



ROI for PC-315-2 Coating in Sheet Break Elimination Alone = 29 days!





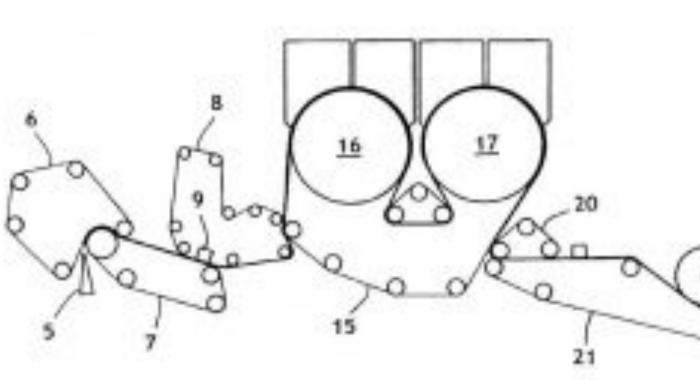
ROLL POSITION APPLICATIONS FORMING **YANKEE SECTION TAD SECTION** SECTION Guide Rolls

- Wire Return Rolls
- Stretch Rolls
- Glue Rolls

- Upper/Lower **Stretch Rolls**
- After Stretch Rolls
- Fabric Guide Rolls
- Lead-in Rolls

• Turning Rolls

Stretch Rolls

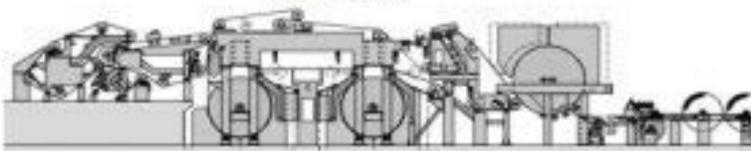


Typical TAD Configurations

1 TAD Drum



2 TAD Drums







PRECISION ROLL GRINDING AND SERVICING

COMPLETE ROLL SERVICES

 Mechanical work including bearing/ journal inspection, balancing, cover removal, end cover modification, venting

PRECISION GRIND

 Better tolerances lead to less vibration, higher speed capabilities

DETAILED FACE INSPECTION

 Document and repair defects that may be detrimental to coating performance

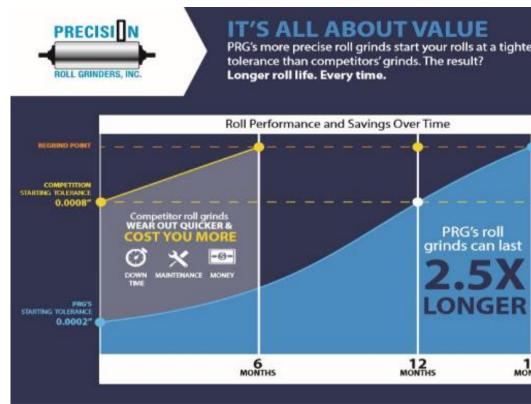
ALL OTHER REQUIRED WORK

 Roll venting, whip check and correction if necessary

OTHER ROLL SERVICES

 Services available for almost every critical roll on machine







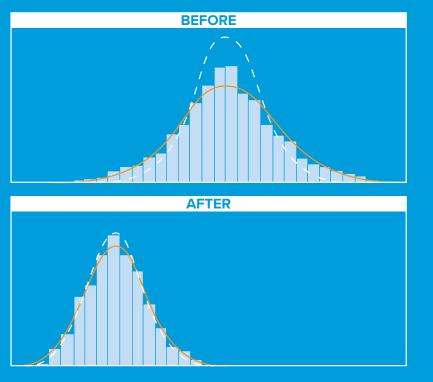


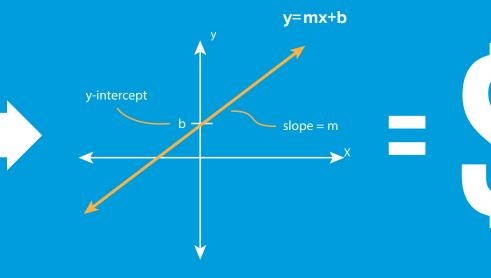
PRG PROMISE TO PROVIDE VALUE

- Any troubleshooting on rotational equipment (video, pics)
- Data analysis on current process
- Joint Design of Experiment to reduce variation

WE ARE COMMITTED TO HELPING YOU REDUCE PROCESS VARIATION AND INCREASE YOUR PROFITS!









ADJUSTING TO OUR NEW "VIRTUAL" PARTNERSHIP

ALLENTOWN, PENNSYLVANIA (610) 395-6966

(770) 830-6323

CARROLLTON, GEORGIA

LEWISPORT, KENTUCKY

(270) 295-4990

TEXARKANA, ARKANSAS (870) 216-4000







THANK YOU FOR YOUR TIME.

OUESTIONS?

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