

# Measuring and Controlling Milling Performance

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# Milling Transformation

## Major Costs

- Wheat
- Labor
- Energy



# Customer

- Technical Needs
- Specification
- Communication



# Goal

- Maximize profit by producing the most favorable distribution of salable high profit product from a cost effective wheat mix.

Make Money!



# Wheat

- Selection
- Blending
- Cleaning
- Tempering



# Mill Maintenance

- Rolls
- Sifters
- Purification
- Dusters
- Material Handling
- Suction



# Mill Balance

- Break Release
- Flow Sheet
  - Analysis-Distribution and Utilization
  - Step Chart
- Mill Environment



# Labor

- Automation
- Staffing and Skill Set
- Milling Knowledge



# Yield and Reporting

- Dirty Wheat
- Clean Wheat
- Tempered Wheat
- Total Products



# Energy

- Scheduling
- Soft-Start
- Variable Frequency Drives
- Energy Efficient Motors
- Proper Sizing and Loading



# Thank You!

- Questions

