BRATNEY COMPANIES

Integrating Innovative Solutions

Flour City District Meeting

August 2-4, 2017

THE BEGINNING

- Founded in 1964 in Des Moines, Iowa by Ken and Ann Bratney.
- Began business in seed, grain, and food related industries with commitment and respect for the relationship with the customer.
- Focus on equipment sales and design. Quickly grew to include engineering and construction services by the mid 1970's, and today includes milling and manufacturing services.
- Ken Bratney: "***Your word is your bond***."
- We live by this motto even today

MAIN OFFICES IN

Des Moines, Iowa
Sacramento, CA

Boise, Idaho
Kansas City, MO

Colon, Argentina

- Staff of 145 people
- Cover the majority of the agricultural markets (seed, edible foods, grain, milling, animal feed, specialty)

DIVERSE APPLICATIONS EXTENSIVE EXPERIENCE

- Wheat seed conditioning plants
- Export wheat cleaning facilities
- Malting Plants for Breweries
- Edible bean conditioning
- Feed Mills
- Hybrid Seed Corn plants
- Native and lawn grass seed plants
- Oat mills
- Grain & process drying facilities
- Edible corn conditioning
- Green coffee bean conditioning
- Popcorn conditioning facility
- Rice Milling Systems
- Soybeans – seed, edible & organic
- Breweries – malt storage systems
- Bird Food Plants
- Flour mills
- Hop pelleting plants
- Spice cleaning and blending
- Packaging all types of free flowing materials
- Split pea processing
- Sunflower processing plants
- Almond sizing
- Salt and specialty minerals







OUR CUSTOMERS

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ITALIAN EXCELLENCE

- Founded in 1966. Over 50 years of milling experience.
- More than 60 milling plants worldwide.
- Manufacturing and innovation is their passion.
- Invest 10% in R&D projects annually.
- Most advanced milling technologies in the market.

LEONARDO

The Revolutionary Roller Mill

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Highlights

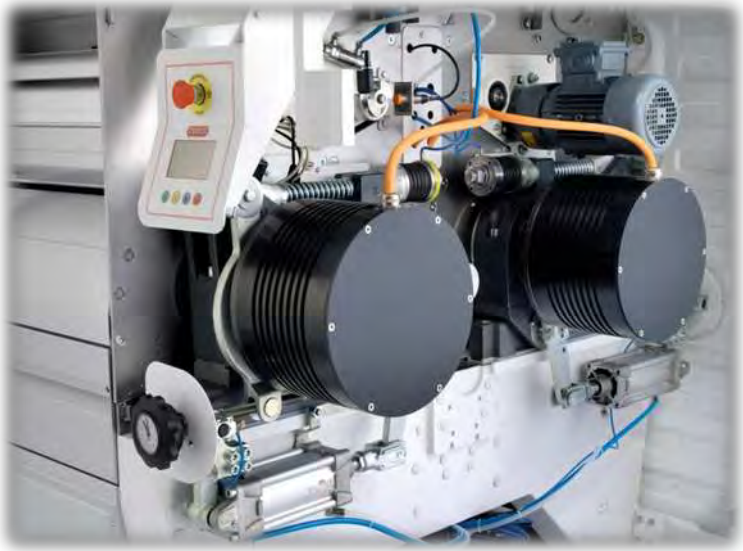
- Technology
- Savings
- Safety
- Maintenance
- Sanitation

Torque Motor

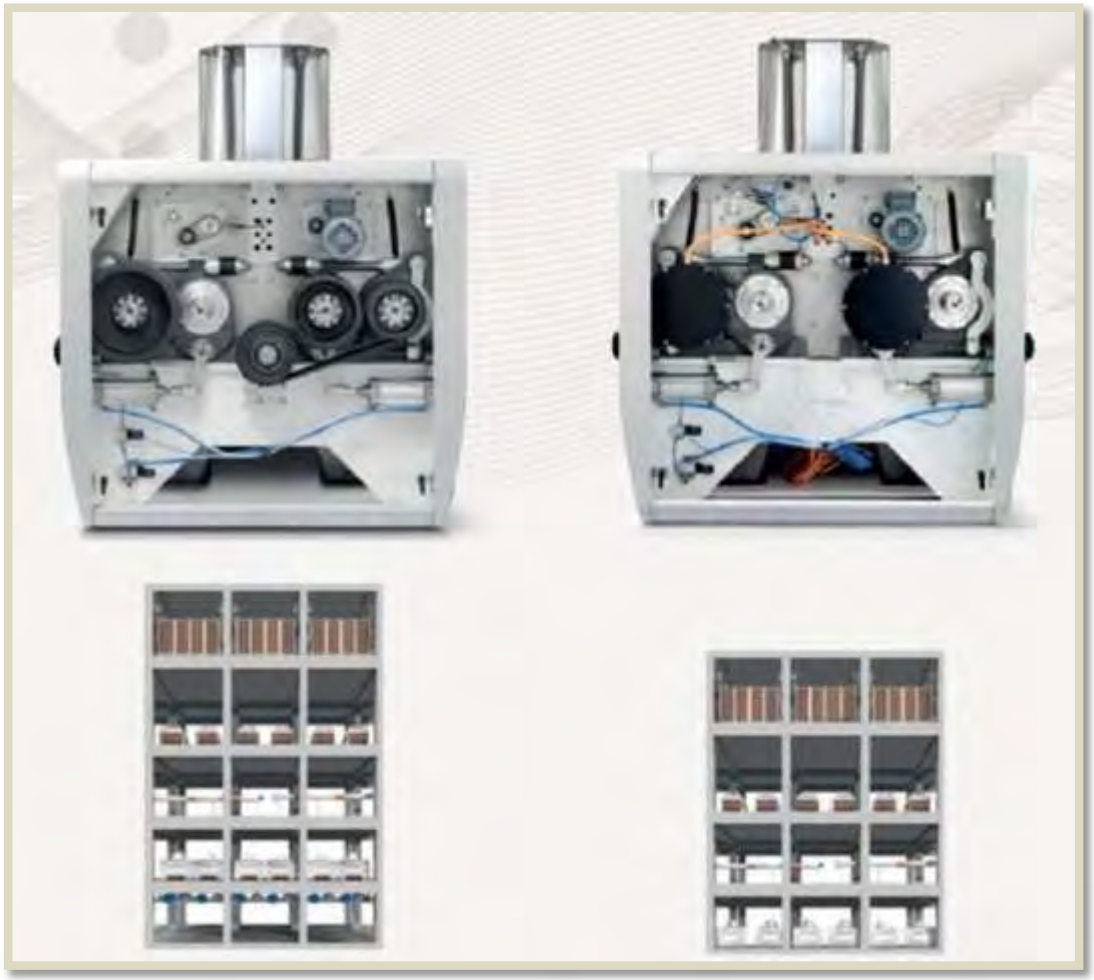
- Used since the 70's in applications such as machine tooling, robotics, and printing.
- Eliminates drive belts, pulleys, and cogs
- More efficient than traditional drive motors.

Direct Drive System

- Patented Omas Design.
- Adjust roll differential during operation.
- Adjust the speed of the rolls during operation.



Mill Design



Omas KERS System (OKS)

- Power is regenerated by the fast roll dragging the slow roll.
- OKS software constantly measures power consumption.
- The regenerated energy is released to the driving motor.
- Reduces power requirements by minimum of 40%.

Omas Pressure System - OPS

- Dynamic pressure measurement system.
- Quantitative measurement displayed on PLC.
- System uses information to adjust rollers and power needs.

Inlet Hopper

- Made of anti-static polyethylene.
- 360° transparency.
- 8 internal infrared probes.

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Structural Material

- Stainless Steel AISI 304.
- Anodised Aluminum Profiles.
- Electro-welded, varnished carbon steel, with braided frame.

SAFETY

- No drive belts, pulleys, or cogs.
- Reduced stress caused by belt tension.
- Quieter operation.

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Maintenance

- Less maintenance required.
- No belts or pulleys to wear out.
- More sanitary.
- Easily clean under roller mill unit.

LEONARDO

In Summary

- Fine tune the grinding action for maximum yield and ideal product consistency.
- Significantly less energy consumption, saves money.
- Programmable recipes for different products.
- Use grinding pressure as a quantitative tool.
- Less maintenance required/safer operation.
- Highest level of sanitation.

GIOTTO

Super Intensive Wheat Sterilizer

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MADE IN ITALY

GIOTTO

- Equipped with 150 adjustable paddles.
- Removes superficial bacteria, mold and mycotoxins.
- Reduces tempering time by 20-25%.
- Ash reduction of 3-10%.

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Bratney Companies

- Provide installation and service.
- Cimbria – color sorters and cleaners.
- Schule – specialty oat, rice, and grain processing equipment.
- Concetti – product packaging solutions.
- BoMill – protein and vomitoxin analysis.

CIMBRIA

CONCETTI GROUP

SCHULE

BoMill

www.bratney.com

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THANK YOU