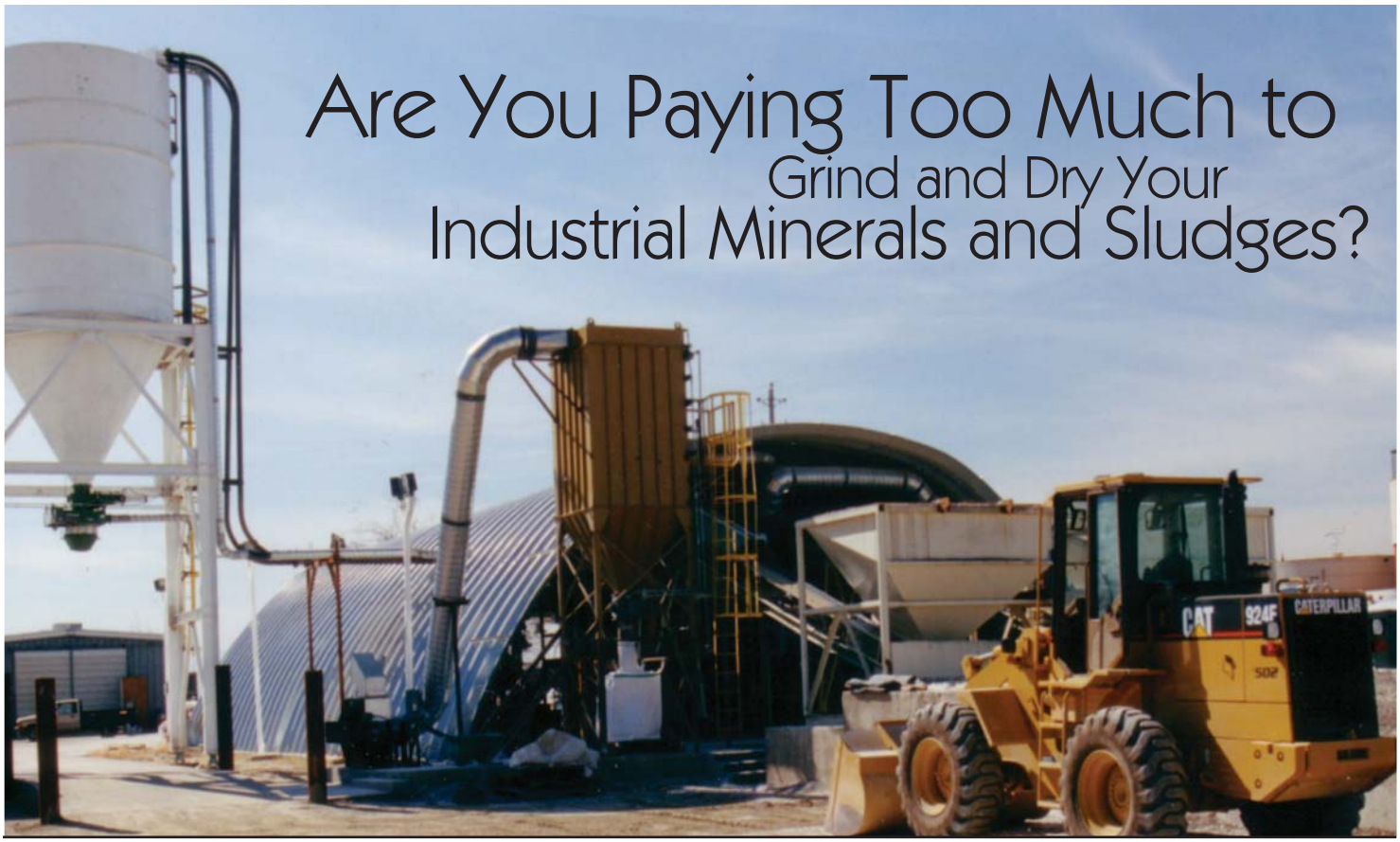


Are You Paying Too Much to Grind and Dry Your Industrial Minerals and Sludges?

KDS **Micronex**™

The All-In-One Solution for Fine Grinding and Drying:

Clays, Zeolites, Sludges, Limestone, Talc, Phosphate Rock, Gypsum, Wallboard, Coal, Coke, Shale, Gold Bearing Quartz, Glass, Shells, Bones, Wood and Biomass.

Profitable

low capital and operating costs

Efficient

combined grinding and mechanical drying

Simple

few moving parts, low maintenance

Convenient

easy to set-up and integrate with other systems

Flexible

particle size 30 to 325 mesh

What Customers say about

First American Scientific and the KDS Micronex™

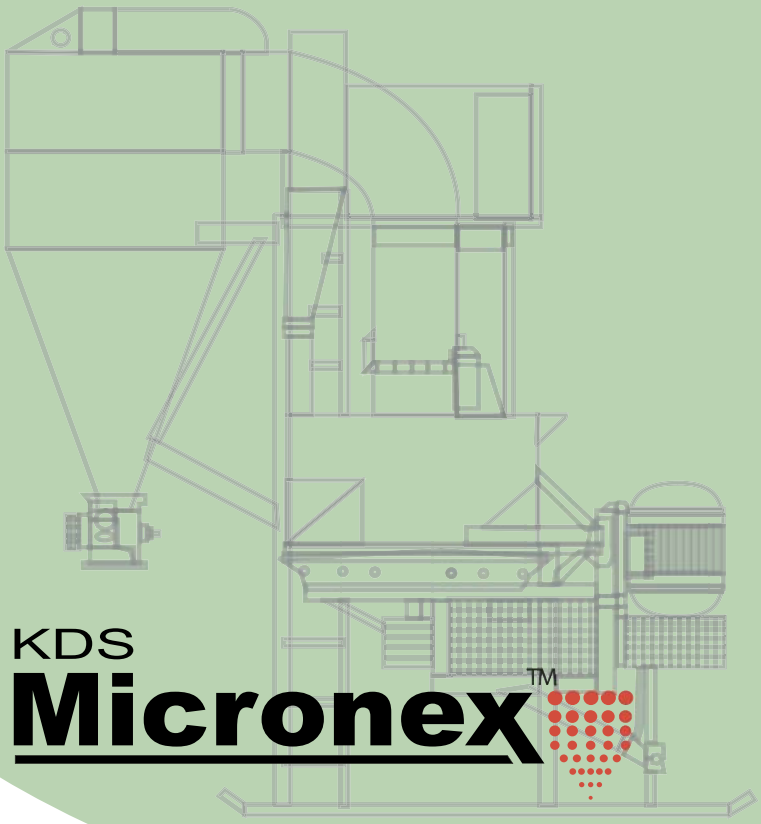
"We have been processing small quantities of clay for the past couple of weeks now, and the finished product is the finest I've ever seen... The KDS really is a nice piece of equipment. FASC has made operating it fairly easy and straightforward. FASC has committed to us that they'll be there every step of the way with us. I'm very pleased with the relationship that exists between the two companies."

Atlas Mining President and CEO, William Jacobson

FIRST AMERICAN SCIENTIFIC CORP.

Tel: 604-940-6220 | Toll free: 1-800-561-8656 | Fax: 604-940-6221 | Web: www.fasc.net | Email: help@fasc.net

The All-In-One Processor for Grinding and Drying



KDS **Micronex**™

Details

Machine Specifications - KDS250S4

Feed Rate:	1- 4 tons per hour
Output Feed Size:	30 to 325 mesh (<45 to 1000 microns)
Machine Size:	18' 6" H x 15' D x 12'W (Footprint = 180 sq. ft., 16.7sq. m.)
Machine Weight:	9,200 lbs (4170 kg.)
Motors:	6 Drive Motors (250, 50, 3, 2, 1, 1) Electric or other power
Power Consumption:	160 kw (Avg)
Feed Size:	Up to 6" (15 cm)
Operation:	System can be fully automated or run with 1-2 staff

Advantages

- Low initial capital cost
- Low operating cost
- Small footprint
- Ease of transport and set-up
- Flexibility of operation – wide range of feedstocks
- Ability to control particle size <45 to 1000 microns (325 to 30 mesh)
- Ease of handling infeed and output material
- Low maintenance requirements (robust design with few moving parts)
- No compressed air or natural gas required

An Overview of the KDS Micronex™ Grinder-Dryer

The KDS Micronex™ grinder-dryer employs kinetic energy to simultaneously grind and dry a wide variety of virgin and recovered materials into valuable powders.

Raw material of up to 6 inch length is fed into the processing chamber where blades spin at 400 mph. In the processor, the material is fractured by repeated impacts between the blades, strike plates, and other particles. The extreme acceleration forces shear moisture from the material.

The kinetic energy of the impacts also creates heat and causes evaporation of moisture. When appropriate particle size reduction is achieved, air flow lifts the particles upwards and out of the processing chamber towards the cyclone where the moist air is separated from dry particles. An internal classifier in the unit controls the particle size within the range between 30-325 mesh. The production rate ranges between 1-4 tons per hour depending on the material characteristics and moisture removal required.

While many conventional grinding or milling systems require dried product input, the KDS Micronex™ can process materials containing up to 70% moisture and can reduce it to less than 5% moisture. As a result, significant cost savings can be achieved by eliminating the need for separate drying equipment. The resulting cost performance and versatility of the KDS Micronex™ exceed that of any other equipment being used for similar purposes in the market today.

First American Scientific is committed to providing full installation and operational support to ensure that all our customer's production goals are achieved or exceeded.

To arrange for free testing of your material or for a confidential evaluation of your processing needs please contact:

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