



A message from our **President**

Welcome to Bepex International. We greatly appreciate the opportunity to work with you.

I have been with Bepex for many years, starting as a laboratory engineer in our Process Development Center. I have always been fascinated by the materials and challenges that we see in working with companies like yours.

We take pride in innovation by developing a process to transform your raw materials into finished products. We have an exclusive range of unit operations and solids processing technologies available to meet the most challenging applications.

We are committed to your success from initial inquiry and product development to ongoing commercial operation. We work with you to meet your clients' changing material performance requirements and provide a robust operation that minimizes downtime.

Integrity is at the core of our values as we protect your confidential information. This means the process developed for you is just that, for you and no one else.

We are confident that we can provide the answers you need very quickly, even if your needs aren't a fit for our capabilities.

We hope you'll make us your first call and see for yourself what makes Bepex special.

Greg Kimball, CEO

5,000 +
Accounts across
65 countries

20,000 + Successful Pilot Simulations

30 +

TRANSFORMATIONS AVAILABLE FOR DEVELOPMENT

< 3

WEEKS FROM EVALUATION TO SYSTEM RECOMMENDATION

125 YEARS AT WORK

Call is all it takes

MORE THAN MEETS THE EYE

Who we're not.

We are not a catalog. We are not an engineering firm. We are not rigid. We are not too big, nor too small. We are not hard to work with. We are not cookie cutters. We don't copy and paste. We don't walk away. We don't waste time.

So, who is Bepex?

We are the Material Transformation PeopleTM. We deliver custom-configured processes and systems that make your innovative products possible. We do so quicker than anyone else while offering the most precisely matched technology for your application.

What we value.

We value integrity, first and foremost. Our customers rely on us to develop custom solutions for their product needs. It is our job not only to develop a custom process, but to make sure that it remains custom for you.

We value innovation, never passing up an opportunity to explore and broaden our knowledge. Every new application, technology, material, and development provides growth, further positioning us as experts in material transformation.

We value commitment. The type of commitment that doesn't disappear in adversity. And we know our customers do too. We built our legacy on remaining committed to the success of our customers, even when it wasn't easy.



Why our customers stay with us

We Are The Material Transformation People™

We deliver custom-configured processes and systems that make your innovative products possible. We have the capability, agility, and flexibility to develop a complete solution for you.

One Call Promise

Our top customers rely on us to provide results in one call. That's why we are often referred to as their "first call" when developing a new product. Imagine how it feels to be one call away from the answers you need.

Exclusive Range of Technologies

Our customers don't settle for limited options, force-fitting their new process into one or two technologies. The cost of a misapplied technology can be enormous. Demand the absolute best design for your innovative products.

Big enough to help. Small enough to care.

We are big enough to supply, support, and be trusted by over 5,000 accounts in 65 countries across the world.

We are small enough to be flexible and responsive, designing our operations to be agile, better serving our customers.

Trace our Roots

Our foundation stretches as far back as the 19th century. Nearly 125 years of compounding experience, building on each success, translating new ideas and successes to the industries we serve.

Though Bepex as a name has only been around since 1975, we continue to draw on the experience and learnings developed well before our time.

Strong Scott established in Minneapolis, MN

Komarek Greaves established in Chicago, IL

Rietz Manufacturing established in Santa Rosa, CA



Bepex Corporation formed by the merger of Strong Scott, Komarek Greaves, and Rietz



Hosokawa Micron Group purchases Bepex Corporation

A group of senior managers involved in the dayto-day operation purchases Bepex back from Hosokawa, establishing Bepex International.





THERMAL

DRY

REACT

CRYSTALLIZE

DEVOLATILIZE

STRIP

EXTRACT

DEWATER

TREAT

CLEAN

Thermal treatment of some sort is a requirement in almost all solids processes.

However, as common as it is, it is often the most misunderstood operation in a system.

And in almost every case we witness, it's the part of the process that could use the most improvement.

There is a tremendous variety of equipment capable of frustrating even the most qualified process engineer. As many products as there are, there are even more questions one should entertain when evaluating a solution.

Should I be looking at indirect or direct thermal products? Do I need long or short residence times? How do I even get my wet feed to the dryer? How do I protect my material from damage? Am I getting the best thermal solution if the supplier only has one or two technologies to offer?

Bepex employs over ten unique thermal options, and it doesn't stop there. Complete your transformation with Bepex, building on our experience and range of process technologies.



Whether your feed is high or low moisture, free-flowing or tough to handle, Bepex will provide the most appropriate drying solution. We balance product quality, process efficiency, safety, and business requirements. Over 10 unique drying technologies designed for you to get the most out of your operation.

MAKE IT **REACT**

Reaction processes require strict control of residence time, ambient conditions, shear, and material temperatures.

Often the output is in a difficult to handle form and requires further processing such as drying, cooling, delumping, or converting into a stable granule.

MAKE IT **SAFE**

Thermal treatment of solids can, by nature, be a dangerous operation. Drying organic solids poses a risk of fire and potential explosion. Evaporating volatile organic components imposes challenges from operator safety to environmental considerations. Rely on an expert that has continued to deliver safe and reliable operations for over 100 years.

MAKE IT **CLEAN**

Remove and recover impurities from wastewater sludge treatment to tailings processing. Transform your contaminated solids into value-added product, or safely remove hazardous impurities, minimizing your total environmental impact.



MAKE IT **GRANULAR**

Transform your fine powders into granules of consistent size, shape, density, strength, and solubility. Options for both wet and dry granulation are available for development, along with typical upstream and downstream operations for the preparation and finishing of the newly formed granules.

MAKE IT **DENSE**

Convert low-density powders into higher-density granules, extrudates, or briquettes. Minimize transportation costs, handling headaches, environmental impact, plant and operational safety, and bulk storage challenges.

MAKE IT **DUST-FREE**

Is your current process generating too much nuisance dust? Need a final product that is dust-free to improve the end-user experience? Rely on the granulation experts to maximize your yield, and eliminate the nuisance dust created in your process.

MAKE IT **SOLUBLE**

Produce particles, granules, or extrudates with controlled solubility and dissolution capacity. From instant dispersion drink mixes and pesticides to slow dispersing granules, we can produce the exact transformation you need.



REDUCTION

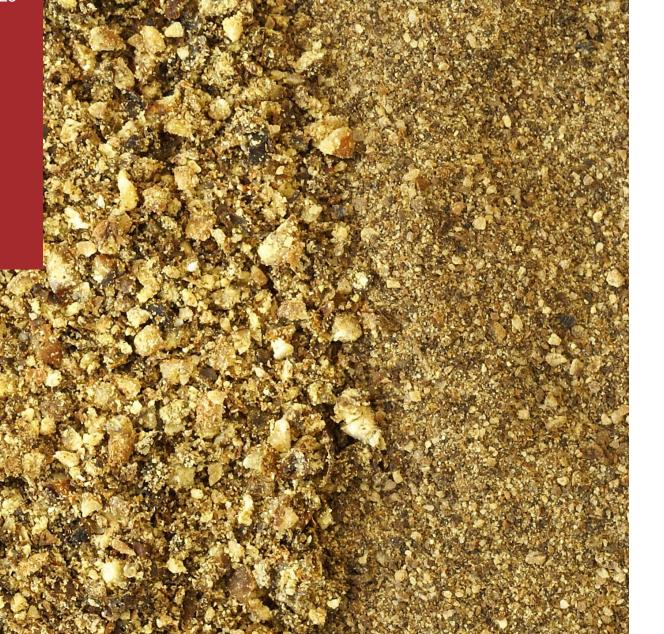
MICRONIZE
GRIND
GRANULATE
DELUMP
CHOP
PUREE
HOMOGENIZE
CLASSIFY
SHRED

Particle size reduction is one of the most commonly applied transformations in the solids processing industry. You'd be hard-pressed to find a process engineer, operator, or reliability engineer that doesn't have some experience working with milling suppliers.

There is no more diluted marketplace in our industry than milling equipment providers. Milling is a relatively easy, straightforward process. Apply enough mechanical force, primarily through impact, shear, or compression, and you will sufficiently reduce the size of a particle.

However, while there is a dilution of equipment providers, the opposite is true of the list of providers with wider experience in solids processing. Often there is a lack of understanding of the relationship between particle size reduction and downstream processes.

We have ties to the early days of industrial grain milling in the Mill City itself. We continue to expand on these roots, developing further expertise while designing and integrating size reduction processes worldwide.



MAKE IT FINE

Consistently grind and classify your bulk solids, producing a narrow particle size with a D50 as low as 3µm. Dynamic internal classification provides efficient particle selection, providing a narrow distribution. Heat the inlet air to simultaneously dry and grind materials in a single step.

MAKE IT **SMALLER**

Not looking to mill to a fine powder, but still need to reduce your particle size? Intermediate milling options are available for wet and dry components, capable of producing particles down to 100 mesh.

MAKE IT **HOMOGENEOUS**

Delumping processes produce a homogeneous stream of material. Whether eliminating clogging in downstream strainers and nozzles or finishing solids materials before packaging, we will offer a homogenizing process to fit your needs.

MAKE IT **DISSOLVE**

Reduce materials to expose surface area making for faster dissolution or melting. Grind large blocks of material to small particles, reducing process bottlenecks, using our low-speed high-torque block grinders.



Process Development & Design

We are the Material Transformation PeopleTM. No other company has the experience, technical range, or ability to provide a process developed precisely for you.

Process Development Center

Our 25K FT² center allows us to simulate complete process systems. Custom-configured systems are our standard, not isolated stand-alone testing units.

Feasibility Evaluation

Our customers call on us first when developing a new product because they get a quick, trusted evaluation, providing early analysis of project feasibility and economics.

Commissioning

On-site support during process commissioning and start-up. We don't leave until the job is done and you are producing quality product.

Custom Toll Processing

Bridge the gap between capital purchase and commissioning by relying on Bepex to manufacture your high-value products. Get a head start in capturing market share.

Material Analysis

We've been around a long time. Chances are we've seen a material similar to yours in one form or another. Have us take a look and provide feedback.

Aftermarket Support

Upsets happen. Parts wear. Foreign material gets into your process. We understand. Our aftermarket group is only one call away from getting you the help you need when you need it.

Controls and Automation

No team realizes its potential without a strategy. Much the same, your equipment doesn't meet its full potential without the proper controls system in place helping tie everything together.

Field Service

You take mechanical reliability seriously. We do too. Our field service team is factory trained and ready to get your most vital components back into production.

Process Optimization

Changing material properties? New product formulations? Subtle environmental shifts altering your production? Let us take a look with you and offer our advice.

Project Leadership

Keeping projects on track means we can deliver on our promise of getting you to market faster. Our project team has the experience to predict and avert potential issues.

Preventative Maintenance Plans

Avoid upsets. Consistently maintain product quality. Minimize unexpected costs due to malfunction. Our parts and field service team work together to provide a plan specifically for your system.



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