Custom Briquetting, Compaction, And Granulation Solutions
Specialized Knowledge
When you work with KOMAREK, our engineering and service staff draw on decades of experience to select the best materials and machine design for your specific application — whether you need assistance optimizing your current process, incorporating a new process step, or designing a new process from scratch.

State-of-the-Art Research and Development
Our process begins with planning and concepting to engineer the most suitable system for your production environment. Designs are tested in our dedicated U.S. and Latin America labs, which are specially designed and fully equipped with bench scale, pilot plant, and production-size briquetters and compactors for testing and developing new applications for our customers.

U.S.-Based Manufacturing Plant
Once equipment specifications are determined and finalized, KOMAREK machines are manufactured in our modern U.S. plant that includes in-house machining of critical components, such as heat-treating and polishing, to ensure the highest quality and reliability.

Worldwide Sales and Support
KOMAREK has an extensive sales group to assist you on nearly every continent — from North America, Central America, South America, Europe and Asia to the Middle East and Australia. We also offer worldwide start-up assistance for new machines, training, service calls for repairs, complete parts replacement and technical advice.
The benefits of briquetting — turning fine particles or residues into hard, dense briquettes of uniform shape and size that can be easily packaged, recycled, re-sold or re-purposed — have been long recognized:

- Reduces volume
- Stabilizes materials
- Eliminates/reduces dust
- Reduces packing, storage and transportation costs

KOMAREK offers a wide range of roll briquetting machines and capacities for your specific applications, including:

### Key features of KOMAREK machines:

- Horizontal or vertical feed design for either screw feed or gravity feed options
- Pockets available in custom sizes and shapes
- Variable speed roll and screw feeder drives to maximize product quality
- Rolls and feed screws available in wear and corrosion resistant alloys
- Designed for easy maintenance

*We knew KOMAREK was a leader in the briquetting equipment field. When we got positive results from the test, we decided that was the direction we wanted to head.*

— HENRY D. [BOROSILICATE GLASS]

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High Pressure and Moderate-to-High Pressure Briquetting Machines

**B Series**

Our rugged and versatile B Series machines feature a unique cantilevered roll design pioneered by KOMAREK that prevents overloading and streamlines roll replacement.

**BH Series**

Our BH Series machines are the only briquetting and compacting roll presses on the market with a cantilevered design and horizontal rolls that allow for a gravity feed.

**DH Series**

KOMAREK also offers heavy-duty DH Series Machines with wide horizontal roll shafts supported by bearings to provide better control for briquetting materials such as coal, charcoal, metal oxides as well as numerous other chemicals and ores. These machines are designed for briquetting 50-60 tons per hour.
Compaction/Granulation Systems

The process of taking fine powders and compressing them into uniform, solid-shape compacts prior to sizing of particles or granules:

- Provides uniform granules that are required for proper blending applications
- Reduces volume
- Stabilizes mixtures during handling
- Eliminates/reduces dust
- Reduces packing, storage and transportation costs
- Improves product performance

Similar in design to our roll briquetters, KOMAREK’s custom roll compactors use a higher compaction pressure and specialized product shape to produce a suitable compacted material. This allows materials to be compacted into stick-shaped agglomerates, or flat or corrugated sheets for granulation.

Applications include:

- Micronutrients and fertilizers
- Lithium carbonate
- Minerals
- Fine chemicals

Tailoring the System to Your Needs

Typical compaction/granulation plants include special auxiliary equipment used for milling, screening, mixing, deaeration and material handling. This equipment needs to be properly selected and designed to ensure proper operating conditions and quality product.

KOMAREK provides assistance with the complete design of compaction/granulation plants to operate under various conditions and ensure all equipment is well-suited to your specifications. Our compaction/granulation systems can also be designed with special corrosion-resistant materials such as Hastelloy®, Inconel® or other materials as required to meet your needs.

“In spite of all the things that could break down when you run gritty material 16 hours a day, five days a week, the only real downtime we’ve had is the scheduled regular preventive maintenance program.”

– STEVE M. [STEEL]
As a leading, privately-owned company, we know the importance of keeping our customers’ briquetting or compacting/granulation operations running efficiently and dependably. We take great pride in designing and manufacturing custom replacement parts for all of our machines as well as many other manufacturer’s briquetting and compacting/granulation machines.

Our highly-trained engineering and service staff has decades of experience working with our customer’s diverse applications and process needs. We also have highly-skilled field service technicians to assist our customers with training, parts installation or machine maintenance when needed.

KOMAREK also performs plant audits to improve process efficiency, productivity and product quality.

Contact KOMAREK for more information or to request a plant audit and analysis.