

Ludman Industries Material Testing Capabilities

The Ludman Difference

At Ludman Industries world class facility, we offer a fully equipped in-house laboratory available for testing specific materials. Our clients receive comprehensive testing options for their products, from bench scale button testing to pilot plant compaction runs.

Ludman Industries testing services, provide clients with the security and confidence of knowing we will create a solution to meet each specific processing requirement. This ensures proper equipment design and protection of equipment investments.

Our intimate knowledge of different materials, products and processing variables is founded on decades of experience and thousands of products tested. We will develop the necessary data required to design and size the proper equipment and/or circuit, proving production results both from an economical and technical point of view.

Ludman Industries full range of testing capabilities and our knowledgeable staff is dedicated to providing our customers with the best, most comprehensive testing results for their products. Our technical expertise is focused on a systematic approach to testing products, achieving greater knowledge and understanding of the needed agglomeration or size reduction process.



Proven Product & Testing History

Feed material origin and size is critical to both compaction and granulation. No two materials regardless of name and or nomenclature compact or granulate exactly the same.

Ludman Industries testing history stems from the early 1900's as Allis Chalmers Corporation. The success in testing resulted in the design and development of the original compactors in the mid 1950's. Ludman Industries has continued this expertise since the late 1960's and continues to provide an excellent record of customer satisfaction and proven value.

Our belief is that thoroughly understanding different material properties provides a solid foundation for the correct design, equipment and process to meet the requirements of our customers.

With a wealth of knowledge, technological expertise, application know-how and global industry experience, we can design a process solution tailored exactly to your needs, increasing production and overall satisfaction.



Ludman Capabilities

Our deep functional expertise and history in industrial sectors such as mining, mineral, agricultural, chemical, pharmaceutical and food provides our clients with the confidence they are working with the best of class.

Ludman industry provides analysis and evaluation to determine the technical feasibility of a customer's project. Specializing in product development and utilizing our in-house testing facility we are able to assist our clients in selecting the correct process specifications product quality and circuit design. Our engineering team also provides value-added services to enhance our customer's end result.



Forging Innovation Building Quality

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Testing process

Working with our customers we will design a testing procedure to prove the feasibility of agglomeration or granulation of the product or raw material. Ludman Industries can accommodate a wide range of raw materials that are quite variable in composition, particle size, texture and related chemical/physical properties. Our customers are always welcome to participate and observe testing in our facility. As part of our testing process Ludman Industries can provide:

- Material screen analysis
- Moisture content analysis
- Bulk density analysis
- Pressure effect analysis
- Granular degradation analysis
- Performance and product integrity analysis
- Impact / Drop test
- Destructive testing

By integrating testing variables such as; binders, moisture, temperature, pressure and liquid or air entrainment we are able to optimize product results and increase our customers return.

Test Lab Equipment List

- 3008 Test Compactor
- Screw Conveyer - Feed
- Belt Conveyer - Discharge
- Vibrating Screen
- Flaking Mill
- Granulator Mill
- Pellet Press
- Temperature Probes
- Moisture Meters



Reports

Custom reports provided with all testing.

Tested Materials

Ammonium Chloride
 Ammonium Sulphate
 Ashes
 Burned Lime
 Calcium Hypochlorite
 Chrome Ore
 Clay
 Coal-Brown/Black
 Copper Concentrate
 Detergents
 Discalcium Phosphate
 Dried Sewage Sludge

FGD Gypsum
 Filter Dusts
 Herbicide
 Iron Oxide
 Magnesite
 Magnesium Oxide
 Metal Chips, Borings
 Mill Scale
 Mixed Fertilizer
 Muriate of Potash (MOP)
 Phosphate Rock
 Potash Fines

Potassium Chloride (KCl)
 Potassium-magnesium sulfate (KMG)
 Potassium Sulphate
 Protein Powders
 Rock Salt
 Salt
 Sewage Sludge
 Soda Ash
 Sodium Chloride
 Sodium Cyanide
 Stearates
 Steelmill Residues
 Talc

