



## Electro-Hydraulic Roll Gap Positioning



Introducing Ludman Industries new - smaller size - modern style flaking mill with 10-inch diameter rolls. This new design is based on best in class features from previous Ludman flaking mills and uses an all integrated approach, where drives, chutes, and guards are included on one common base which allows a very simple installation for the client.

The model #1020 flaking mill is designed for 80,000 pounds of continuous pressing force and utilizes state of the art electrohydraulic roll gap positioning. Included with the flaking mill is a specifically built hydraulic power unit (HPU) and advanced roll gap control panel. The control panel incorporates a simple but feature-rich 10-inch color touch screen to control all functions of the hydraulic gap control. The human machine interface (HMI) includes interfaces for operational modes, calibration, diagnostics, set-up, data trends, parameters, and alarm management. The electrohydraulic positioning cylinders can accurately control roll gap within 0.001 inches. By utilizing an automated gap control system, it is easy and quick to change the roll gap and therefore create recipes based on product being processed. In addition to gap control, the actuators accurately monitor the pressing force which can also be used to increase product quality. All data can be sent back to plant control system via an ethernet IP connection. The flaking mill was designed for simplicity, robustness, small size, and reliability. The flaking mill can also easily be designed for an explosion proof environment.

For more Information e-mail: [sales@ludman.net](mailto:sales@ludman.net)



Control Panel

## Process Research & Testing Services

We understand in today's exceedingly complex marketplace, material processors need to be confident that the products they make meet end-user expectations along with the required safety and regulatory standards.

We also know that the purchase of new equipment can be a big investment for any company.

We believe that thoroughly understanding the different properties of specific products/materials provides a solid foundation for the correct design, equipment selection and process to meet the requirements for your final product.

Initial product testing ensures the correct selection of equipment and protection of your company's investment!

Ludman Industries' engineers have a wealth of knowledge, technological expertise, application know-how and global industry experience to design a process solution tailored exactly to your needs. Testing proves to reduce cost, increase production and guarantee overall user satisfaction.

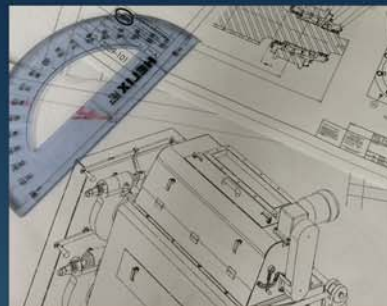
Please contact us at:  
[sales@ludman.net](mailto:sales@ludman.net) for information about testing your product.

## Custom Engineering Services

Ludman Industries' engineers have the expertise to create a new product from concept to multi-unit production or adapt our long-standing designs to fit your specific needs.

Our Engineering Services Include (but are not limited to):

- Product Testing
- Process Improvement
- Customer Driven Design
- Regulatory Requirements



We are continually designing "special features" like our newest self-contained cooling systems and sealed oil lubrication systems. We have recently designed new mechanical fasteners on tie rods for ease of roll maintenance. Consistently improving designs means a better and smarter investment for our customers. To contact our engineering department directly e-mail: [sales@ludman.net](mailto:sales@ludman.net) or visit our website at [www.ludman.net](http://www.ludman.net).

There are many ways to find us!



Like us on Facebook

Link to us on LinkedIn and

check out our videos on Youtube or visit our website at [www.ludman.net](http://www.ludman.net).



## Rebuild, Recondition & Repair - Continuous Lifelong Support!



An old roll from a 2812 Ludman compactor.

Ludman works to raise the bar with the latest technology to enhance your rebuild needs. Our worldwide experience and research have added new processes and materials to upgrade older machines to be more efficient and cost effective when reconditioned with the latest standards.

As an OEM, Ludman possess the intimate knowledge of your machine and its components. Information such as material, hardness, and best methodology, comes from our design know-how and vast experience. Ludman is in the best position to make qualified repairs.

Ludman can repair any and all Allis-Chalmers, Nordyke, and Ludman machines presently in operation. Our drawings and specified processes include the first Allis-Chalmers machines through the Ludman machines delivered yesterday.

Only Ludman offers qualified OEM parts for your machine, with complete records and control all of the important specifications including material, hardness, and best methodology. For fast and reliable service, contact us for all your repair needs at: sales@ludman.net or call 414-431-3500.



The same roll - reconditioned.

### Does Tie-Rod Tensioning Have Your Maintenance Personnel All Torqued Up?

Are your maintenance persons having difficulties tensioning the tie-rods on your Ludman compactor or briquetter?

**We can help.**

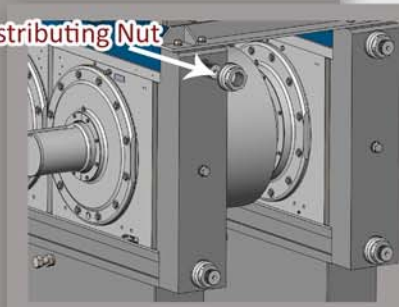
Ludman now offers a mechanical tensioning system to replace your old tie-rods with new rods and improved fasteners to significantly reduce the effort required to accurately tension the tie-rods.

This fastening system eliminates the need for high-torque tools for tensioning the tie-rods. Accurate pre-load is achieved through installing the tie-rod into the machine frame. The multi-tension fastener is then hand installed onto the tie-rod. Next, the load distributing nut is threaded onto the other end of the tie-rod and hand-tightened to close excess gaps in the machine frame and small bolts on the multi-tension fastener are torqued in sequence to set the pre-load.

This system reduces the amount of torque required to tension the tie-rod. A system using standard nuts may require as much as 8,000 ft-lbs of torque to tension the tie-rod, requiring special tools. The multi-bolt fastener requires significantly less torque per bolt (approx. 300 ft-lbs for the same pre-load), requiring only a standard torque-wrench. Contact us for a quote!



Load Distributing Nut



What are our customers saying about our machines?

“Our Ludman machine has performed very well for us ... we are very pleased with the machine; great throughput and reliability.”

~Clint  
(Maintenance Superintendent)



## Meeting your needs for over 50 years!

4810 N. 124th Street Milwaukee, WI 53225 USA

P 414-431-3500 • F 414-431-1850

E-mail : sales@ludman.net • www.ludman.net