

Ludman Compactors

Better Quality Better Design Better Support

Better Results from fines to granules

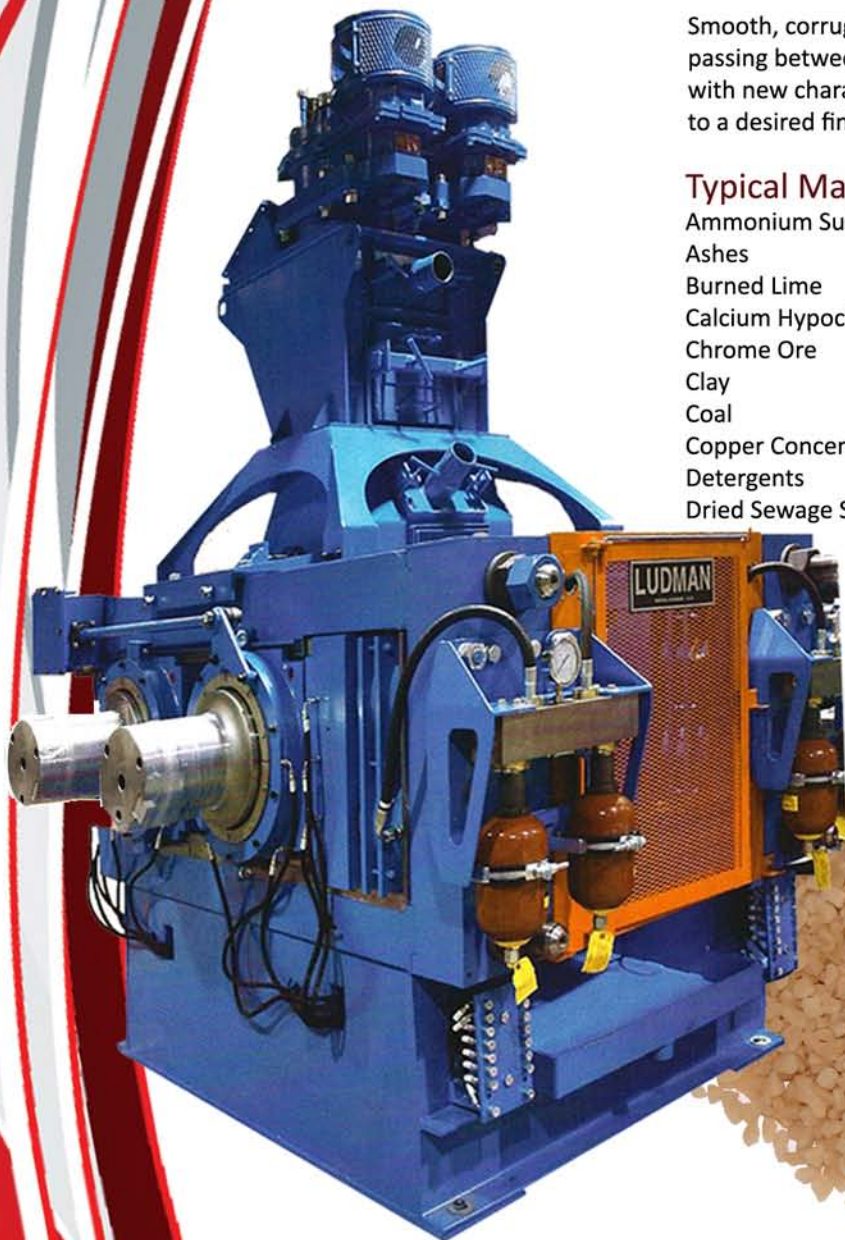
The roll compactor is designed to give you an economical, high volume, mechanical means to upgrade or convert fines by agglomeration into sellable granular product.

The roll compactor is also used for the agglomeration of fines into flakes for pyroprocessing or briquettes... increasing product bulk density and controlling the product solubility rate.

Smooth, corrugated or pocketed rolls exert high pressures on fines passing between them. A solid ribbon or briquette product results, with new characteristics of strength that can be processed or granulated to a desired finished product or granule size.

Typical Material Applications

Ammonium Sulphate	FGD Gypsum	Phosphate Rock
Ashes	Filter Dusts	Potash Fines
Burned Lime	Herbicide	Potassium Sulphate
Calcium Hypochlorite	Iron Oxide	Rock Salt
Chrome Ore	Magnesite	Salt
Clay	Magnesium Oxide	Sewage Sludge
Coal	Metal Chips, Borings	Soda Ash
Copper Concentrate	Mill Scale	Sodium Chloride
Detergents	Mixed Fertilizer	Sodium Cyanide
Dried Sewage Sludge	Muriate of Potash	Steelmill Residues



Forging Innovation Building Quality

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Better Technology

Ludman's prestressed heavy duty frames minimize deflections and ensure maximum separating forces are transmitted to the product. The rolls of the roll compactor exert extremely high pressures on the fines as they pass through forming a solid ribbon or briquette of product with sufficient new character and strength. The product may then be further processed or granulated into a desirable particle size.

Cost saving features are many. Initial investment and operating costs are wholly consistent with the economies of recovery, and maintenance costs are low. The roll compactor can be integrated into your existing operation with little or no alteration. Costly feed preparations, such as inclusion of additives or binders, are rarely required and the process can be controlled by an operator with a minimum of technical training.

Heavy-Duty Mill Rolls

The Compactor mill is equipped with heavy-duty, hardened alloy rolls. The greater depth of uniform, wear-resisting metal means longer roll life, and corrugating insures a highly effective grabbing surface at the point of nip.



Roll Compactor Available Options

Main Rolls

- One or Two Piece Rolls
- Thru Hardened Rolls
- Welded Hard Faced Rolls
- Chrome Plating or Nitride Roll Face
- Custom Roll Corrugations
- Water Cooled Rolls
- Roll Speed Timing Coupling
- Horizontal Roll Removal System

Main Drive

- Hydraulic or Mechanical Drive System
- Fixed Speed or Variable Speed Drive System
- Single or Double Shaft Drives

Main Bearings

- Babitted Journal Bearings
- Spherical Roller Bearings

Roll Pressure System (#of cylinders)

- One Per Side
- Two Per Side

Product Feeder

- Gravity Feeder - Gated or Non-Gated
- Force Feeder - Single or Twin Screw

Design Accessories

- Integrated Control Panels
- Integrated Granulator or Roll Crusher
- Stainless Steel Contact Surfaces
- Custom Designed Work Platforms

Weights and Dimensions

Dimensions are for preliminary layout only and are not to be used for construction purposes.

Model #	Roll Dimensions		Maximum Roll Separating Force (Tons)	Approximate Dimensions (inches)			Approx. Weight of Bare Mill (lbs)	Horsepower Recommended
	Diameter	Length		A	B*	C**		
1208	12	8	50	4'5"	3'2"	2'7"	4,800	50-75
2408	24	8	100	7'1"	3'8"	9'9"	12,000	75-125
2012	20	12	150	7'11"	5'3"	10'6"	16,000	100-200
2812L	28	12	150	7'11"	4'10"	11'1"	16,500	150-250
2812	28	12	300	7'11"	5'10"	11'1"	31,800	200-300
2820	28	20	300	7'11"	6'4"	11'1"	36,500	400-500
2824	28	24	300	9'5"	6'7"	11'1"	36,500	400-500
2826	28	26	325	9'5"	6'9"	11'1"	50,000	500-600
3624	36	24	450	10'11"	8'1"	13'5"	67,000	500-700
3625	36	25.5	650	11'0"	8'5"	13'5"	85,000	600-800
4040	40	40	800	11'9"	11'10"	19'4"	134,100	1000-1400
4440	44	40	850	13'0"	12'0"	19'4"	139,000	1200-1600

*Less speed reducer, couplings, motor and V-belt drive

**Less feed hopper and feeder

- This information may be subject to change -

**The Ludman Difference is
Robust Construction**



Ludman Industries USA