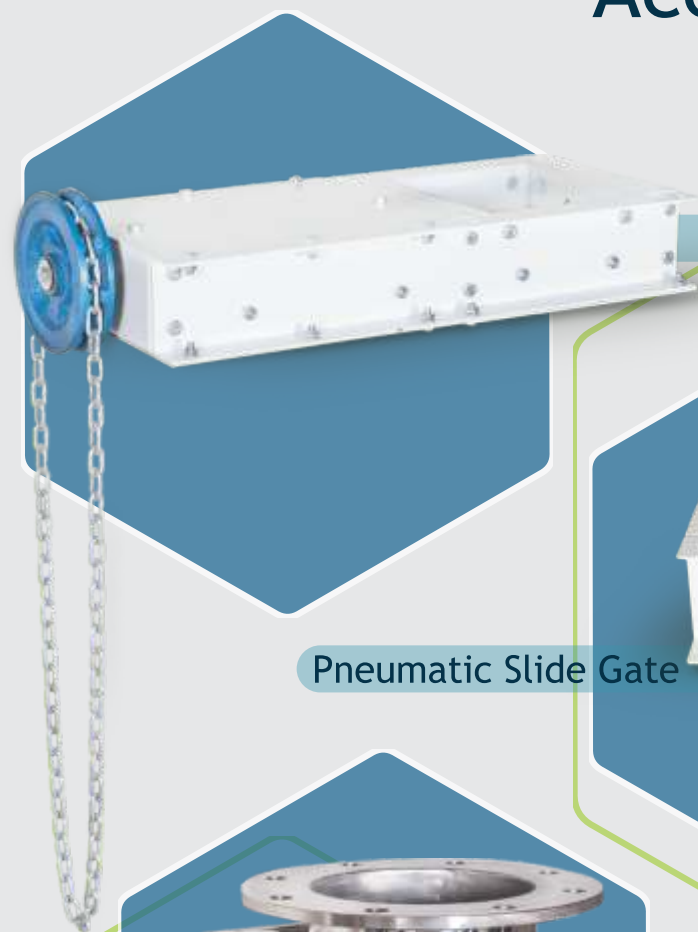


Grain Flow Accessories



Manual Slide Gate

Pneumatic Slide Gate



Online Magnet



Diverter Valves



The success of your operation relies not only on the quality of the commodity but the dependability of the equipment used to keep it moving

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Grain Handling Equipments

Rice

Wheat

Corn

Dhal

Seed

Spice

Bean



Vertical Grain Loader

Drag Grain Loader



Horizontal Grain Loader



Helix Grain Loader



...a perfect solution for all grain handling.

VERTICAL GRAIN LOADER

Capacity (m³/hr)	5	10	15	30	60	120
Model	VGL 100	VGL 125	VGL 150	VGL 200	VGL 250	VGL 310

FEMPS range of Vertical Grain Loaders are manufactured with either Galvanised Steel or with Powder coating finish for lasting durability, corrosion resistance and superior appearance. All bolted construction for ease of assembly and maintenance. We can also supply in fully SS or Top & Bottom in SS and Intermediate in Galvanised steel.

Buckets:

Seamless steel buckets made out of one piece and pressed without any welding. Plastic buckets are made out of food grade, non-sparking polyethylene and are abrasion resistant, long lasting, non corrosive and effective for handling grains with less damage. Buckets in SS, Nylon can also be supplied.

Head & Head Section:

Dynamically balanced Fabricated crowned pulley to ensure maximum friction and avoid sway in belts coupled with standardized high efficiency gear motor. Shafts are made out of 16MnCr5 medium carbon steel for more toughness and longer life. In Boot - Externally mounted Flange bearings, square threaded screw rods for alignment and tensioning of belts, clean out doors.

Belt:

Belts used are of standard industrial quality. Antistatic, abrasion resistant, highly resistant to cuts and gouges black rubber belts of M24 grade is generally used. Alternatively we can also supply food grade, fat and oil resistant belts.



HORIZONTAL GRAIN LOADER

Capacity (m³/hr)	5	18
Model	HGL-600	HGL-400

FEMPS range of Horizontal Grain Loaders are ideal for long length runs and extremely effective and gentle to move grains. All troughed intermediate boxes are flanged to provide accurate alignment. Bracket mounted Trough and Idler Rollers facilitate quick removal and replacement during service. FEMPS grain loader also having corrosion resistant galvanized coating steel, giving durable, Long lasting.

Drive & Tail section:

Bolted construction for ease of assembly and maintenance. Crowned Rollers on both sections for accurate tracking and maximum friction coupled with standardized high efficiency gear motors.

Belt:

Trough formed belt running on duplex support rollers give higher capacity compared to flat belts. Belts used are food grade with PVC on top and fabric with diamond pattern on bottom for better grip when running on slider beds or rollers. Alternatively Rubber belts can also be supplied.



DRAG GRAIN LOADER

Capacity (m³/hr)	45	70	90	30	110
Model	DGL-200	DGL-250	DGL-300	DGL-400	DGL-450

FEMPS range of Drag Grain Loaders are supplied in modular section and fully bolted construction facilitating ease of assembly and maintenance. Manufactured either Galvanised Steel or with Powder coating finish for lasting durability, corrosion resistance and superior appearance. Standard sizes are of 200, 250, 300, 400 & 450 mm width. Custom sizes can also be supplied.

Drive & Tail Section:

Bolted construction for ease of assembly and maintenance. Heavy duty machined shafts mounted on pillow block bearings and coupled with standardized high efficiency gear motor. Square threaded screw rods for alignment and tensioning of chains.

Chain & Sprocket:

Standard REDLAR Chain with either formed or welded flight attachments are used. Sprockets are induction hardened for better wear resistance long life. UHMWPE wear strips are provided on the bottom of troughs and on chain flights to prevent steel to steel contact. Full length guides are provided to avoid collision of chain on the sides.

HELIX GRAIN LOADER

Capacity (m³/hr)	10	20
Model	HSGL-200	HSGL-250

The Helix Grain Loader is designed for horizontal or slightly inclined conveying of free flowing bulk products like flour, granules or grains. The helix grain loader is modular in construction with bolted dust proof top cover, which enables easy access for inspection and service.

Flight is made of carbon steel either segment welded or single extrusion and supported by hangar bearings.

Note : Capacity in Kg/hr = Volume (m³/hr) * Specific weight (Kg/m³)
Specific Weight: Rice: 750 Kg/m³, Paddy: 560 Kg/m³, Wheat: 750 Kg/m³