

TITAN Equipment Catalogue

Grain storage silos, optical sorting, rice milling, flour milling, drying, conveying, packing, husk pelleting, compressed air and spare parts.



Hefei Titan Machinery Co., Ltd. has supplied grain and food processing equipment since 2010, with a market network covering more than 40 countries and regions. Scope of supply includes design, fabrication, installation supervision, commissioning and after sales service.

All figures in this document are taken from TITAN model sheets. Capacities that depend on the crop or the contamination level are stated that way rather than averaged into a single number.

Storage Silo

Bolted galvanized steel silos and the handling equipment around them, sized for grain traders, mills and feed plants that need safe storage without building a warehouse.

Machine	Leading specifications	Page
Corrugated Flat Bottom Steel Silo With Elevator	Item Construction: Bolted corrugated hot dip galvanized sheets with vertical stiffeners; Item Zinc coating: 275 g/m2, 300 g/m2 and 350 g/m2 plate, shell coating equivalent to 600 g	hftitan.com/products/corrugated-flat-bottom-steel-silo-with-elevator.html
Assembly Galvanized Flat Bottom Silos for Corn Maize Grain Storage	Item Construction: Bolted corrugated hot dip galvanized sheets with vertical stiffeners; Item Zinc coating: 275 g/m2, 300 g/m2 and 350 g/m2 plate, shell coating equivalent to 600 g	hftitan.com/products/assembly-galvanized-flat-bottom-silos-for-corn-maize-grain-storage.html
Galvanized Steel Hopper Bottom Rice Paddy Grain Silo	Item Construction: Bolted corrugated hot dip galvanized sheets with vertical stiffeners; Item Zinc coating: 275 g/m2, 300 g/m2 and 350 g/m2 plate, shell coating equivalent to 600 g	hftitan.com/products/galvanized-steel-hopper-bottom-rice-paddy-grain-silo.html
Storage Silo for Wheat Flour Milling	Item Construction: Bolted corrugated hot dip galvanized sheets with vertical stiffeners; Item Zinc coating: 275 g/m2, 300 g/m2 and 350 g/m2 plate, shell coating equivalent to 600 g	hftitan.com/products/storage-silo-for-wheat-flour-milling.html
Welding Type Silo for Liquid Material Storage	Construction: Welded steel shell; Typical duty: Liquid and fine material storage	hftitan.com/products/welding-type-silo.html
Poultry Feed Cone Granary	Item Construction: Bolted corrugated hot dip galvanized sheets with vertical stiffeners; Item Zinc coating: 275 g/m2, 300 g/m2 and 350 g/m2 plate, shell coating equivalent to 600 g	hftitan.com/products/poultry-feed-cone-granary.html
Concrete Silo Project	Scope: Design, fabrication, installation supervision and commissioning; Storage: Concrete cells with steel silos where required	hftitan.com/products/concrete-silo-project.html
Cone Bottom Silo With Concrete Foundation	Item Construction: Bolted corrugated hot dip galvanized sheets with vertical stiffeners; Item Zinc coating: 275 g/m2, 300 g/m2 and 350 g/m2 plate, shell coating equivalent to 600 g	hftitan.com/products/cone-bottom-silo.html
Flat Bottom Silos	Item Construction: Bolted corrugated hot dip galvanized sheets with vertical stiffeners; Item Zinc coating: 275 g/m2, 300 g/m2 and 350 g/m2 plate, shell coating equivalent to 600 g	hftitan.com/products/flat-bottom-silos.html

Optical Sorting Solution

Colour, shape and full spectrum sorting for rice, grains, beans, seeds, nuts and dehydrated vegetables, plus the ejectors and spares that keep a sorter in service.

Machine	Leading specifications	Page
Super Eye AI Color Sorter	Model TT1: 64; Model TT2: 128; Model TT3: 192	hftitan.com/products/super-eye-series-color-sorter.html
TITAN AI Chute Color Sorter	Model TT1: 64; Model TT3: 192; Model TT5: 320	hftitan.com/products/chute-color-sorter.html
TT Series Chute Optical Sorter	Model TT4: 240; Model TT5: 300; Model TT6: 360	hftitan.com/products/chute-optical-sorter.html
Belt Color Sorter	Belt widths: 300 mm, 600 mm and 1200 mm; Cameras: Three linear colour CCD cameras	hftitan.com/products/belt-color-sorter.html
Belt Detector Color Sorter	Feeding: Belt feeding for stable product flow; Sensitivity: Automatic adjustment when the sorting environment changes	hftitan.com/products/belt-detector-color-sorter.html

Rice Milling Solution

The complete paddy route from intake cleaning to graded head rice, built from machines that are matched to one capacity so the line does not stall at one station.

Machine	Leading specifications	Page
Rotary Paddy Pre-cleaner	Model TTLM100x2: 4 to 7 t/h; Model TTLM125x2: 6 to 9 t/h; Model TTLM160x2: 8 to 12 t/h	hftitan.com/products/precleaner.html
ZDQL Vibrating Cleaning Sieve	Model ZDQL100: 8 to 10; Model ZDQL125: 10 to 15; Model ZDQL150: 12 to 20	hftitan.com/products/vibrating-cleaning-sieve.html
Gravity Destoner	Model TTDS 85B: 3.5 to 4.5 t/h; Model TTDS 100B: 5 to 6.5 t/h; Model TTDS 125A: 7 to 8.5 t/h	hftitan.com/products/destoner.html
Pneumatic Rubber Roller Husker	Model TRIH-25C: 4 to 5 T/H; Model TRIH-36: 5 to 6 T/H; Model TRIH-51: 6 to 7 T/H	hftitan.com/products/husker.html
Gravity Paddy Separator	Model MGCZ 60x16x2: 4.5 to 6.5 t/h; Model MGCZ 60x20x2: 6.0 to 8.0 t/h; Model MGCZ 60Bx20x2: 9.0 to 11 t/h	hftitan.com/products/seperator.html
TISM Horizontal Emery Roller Whitener	Model TISM 18F: 2 to 3 t/h; Model TISM 21.5F: 3 to 4 t/h; Model TISM 30DF: 4.5 to 8.5 t/h	hftitan.com/products/whitener.html
TTG And TIWP Rice Polisher	Model TTG7B: 4 to 8 t/h; Model TTG12A: 6 to 10 t/h; Model TMPG 158x2: 5 to 8 t/h	hftitan.com/products/polisher.html
MMJM Rotary Rice Grader	Model MMJM(X)160 x 4: 5 to 6.5 t/h; Model MMJM(X)160 x (4+1): 5 to 6.5 t/h; Model MMJM(X)160 x (5+1): 8 to 10 t/h	hftitan.com/products/plansifter.html

Conveying And Drying Solution

The equipment that moves grain between sections and brings it down to a safe storage moisture without cracking the kernel.

Machine	Leading specifications	Page
Grain Silos	Silo types: Flat bottom, hopper bottom, powder and feed silos; Handling: Bucket elevators, conveyors, gates and dust collectors	hftitan.com/products/silo.html
TT 5H Low Temperature Grain Dryer	Model TT 5H-10: 5 to 10; Model TT 5H-12: 5 to 10; Model TT 5H-15: 5 to 15	hftitan.com/products/low-temperature-grain-dryer.html
5T Series Batch Circulating Grain Dryer	Model 5T-10: 2300 to 10000; Model 5T-15H: 2300 to 15000; Model 5T-21 cross flow: 5000 to 21000	hftitan.com/products/drier.html
Bucket Elevators Conveyors And Gates	Product: Bucket elevators, TISC scraper chain conveyors and gates; Materials handled: Paddy, rice, wheat, oil, food, feed and chemical products	hftitan.com/products/elevator.html

Packing Solution

Weighing and bagging from 1 kg retail pouches to 50 kg export sacks, with the accuracy class stated per model rather than promised in general.

Machine	Leading specifications	Page
DCS Quantitative Rationed Packing Scale	Model DCS-5SC1: 1 to 5 kg; Model DCS-15SC1: 5 to 30 kg; Model DCS-25SC1: 5 to 50 kg	hftitan.com/products/quantitative-rationed-packing-scale.html
Doypack Powder Packing Machine	Item Pouch material: Laminated film, PE, PP; Item Pouch pattern: Stand up pouch, with zipper or spout, flat pouch; Item Max filling range: Up to 5 kg	hftitan.com/products/powder-packing-machine.html
TT-ZVF-200 Granule Packing Machine	Item Model: TT-ZVF-200; Item Bag styles: Pillow bag, gusseted or block bottom bag optional; Item Bag width: 60 to 200 mm	hftitan.com/products/granule-packing-machine.html

Flour Milling Solution

The cleaning and sifting section of a flour mill, where the flour extraction rate and the ash figure are actually decided.

Machine	Leading specifications	Page
MTSD Wheat Grain Destoner	Crop Soft wheat: Up to 22 t/h; Crop Durum wheat: Up to 14.5 t/h; Crop Corn and maize: Up to 16.5 t/h	hftitan.com/products/wheat-grain-destoner.html
TTS Horizontal Wheat Scourer	Model TTS-200: 15 kW; Model TTS-250: 18.5 kW; Model TTS-400: 15 kW x 2	hftitan.com/products/flour-mill-horizontal-wheat-scourer-2.html
TTS Horizontal Grain Scourer	Model TTS-200: 15 kW; Model TTS-250: 18.5 kW; Model TTS-400: 15 kW x 2	hftitan.com/products/horizontal-grain-scourer-2.html
TTAS Multi-Deck Cleaning Sieve	Duty: Cleaning and grading big and small impurities from granular material; Industries: Grain, feed and food	hftitan.com/products/ttas-multi-deck-cleaning-sieve.html

Husk Pelleting Solution

Turning the husk and straw that a mill currently pays to remove into a saleable fuel pellet or a feed pellet.

Machine	Leading specifications	Page
TISP Hammer Mill for Biomass	Model TISP 66X45: 45 / 55; Model TISP 66X60: 75 / 90; Model TISP 66X80: 90 / 110	hftitan.com/products/hammer-mill.html
TITN Ring Die Pellet Mill	Model TITN470: 55; Model TITN560: 90; Model TITN580: 90	hftitan.com/products/pellet-mill.html

Compressed Air Supply

The air supply behind the optical sorters and the packing scales, where oil carry over and electricity cost decide the running bill.

Machine	Leading specifications	Page
Permanent Magnet Screw Compressor	Type: Rotary twin screw compressor; Motor: Permanent magnet motor with integrated rotor and shaft	hftitan.com/products/compressor.html
TTC Oil Free Water Lubricated Screw Compressor	Model TTC08: 0.8; Model TTC11: 0.8; Model TTC15: 0.8	hftitan.com/products/oil-free-screw-compressor.html

Spares Center

The wear parts that decide whether a grain line runs at its rated capacity, supplied for TITAN machines and for other brands already installed in your plant.

Machine	Leading specifications	Page
Rubber Roller for Paddy Husker	Hardness: 91 to 92 degrees, customised; Shelling efficiency: Up to 95 percent	hftitan.com/products/rubber-roller-for-paddy-husker.html
Emery Roller for Rice Whitener And Polishers	Model NF15A: 400; Model NF15/15: 400; Model MNSTX15: 400	hftitan.com/products/rice-whitener-spares-parts-emery-roller-rice-whitener-stone.html
Screens And Sieves for Rice And Flour Machines	Rice machine screens: Rice polisher screen, paddy separator, rice mill screen, vibrating screen, grinding sieve; Mill screens: Screen series for disk mill and hammer mill machines	hftitan.com/products/rice-polisher-screen.html
Rice And Flour Milling Machine Belts	Construction: Thermoset moulded, homogeneous through the cross section; Cord options: Nylon, steel or kevlar	hftitan.com/products/high-quality-rice-milling-mill-flour-machine-belt.html
High Precision Color Sorter Ejector	Item Resistance (ohm): 21, 18 or 13; Item Working voltage: 12 V / 110 V; Item Power: 11 W	hftitan.com/products/high-precision-color-sorter-ejector.html
Color Sorter High Speed Ejectors And Spares	Brands covered: ANCOO, TAIHO, BUHLER, AMD and JIEXUN; Matrix ejector: Suitable for Taiho colour sorter machines	hftitan.com/products/color-sorter-high-speed-ejectors.html