

since 1975
dal 1975



PROGETTAZIONE E REALIZZAZIONE
DI IMPIANTI PER TRASPORTO,
DOSAGGIO, MISCELAZIONE E STOCCAGGIO

*DESIGNING AND MANUFACTURING
OF CONVEYING, DOSING,
MIXING AND STORING SYSTEMS*





COSA FACCIAMO:

Progettiamo e realizziamo internamente sistemi per il trasporto, il dosaggio, la miscelazione e lo stoccaggio di polveri, granuli, macinati e miscele oltre che accessori per impianti. Grazie alla trentennale esperienza maturata, realizziamo anche impianti in cui possono essere integrate attrezzature di nostra progettazione e produzione con quelle di altri costruttori.

I macchinari e gli accessori di terzi vengono forniti, se richiesto, a completamento d'impianto nei casi in cui la nostra gamma produttiva non li preveda o abbia dimensioni/capacità diverse da quelle volute.

I costruttori, con cui collaboriamo, vengono appositamente selezionati nell'ottica di fornire al cliente finale la migliore soluzione sul piano tecnico ed economico, offrendo al contempo i vantaggi di un unico referente.

THE COMPANY'S ACTIVITIES:

We design and build systems for the conveying, batching, mixing and storing of powders, granules, ground materials and mixes as well as plant accessories. Thanks to our thirty year long experience, we also build plants that can integrate accessories custom designed constructed by our company with those of other producers.

Machinery and accessories of third parties are supplied, if requested, upon completion of the plant in the event that our range of products does not include them or our range does not include the desired dimensions/capacity.

The producers that we work with are specially selected with a view to supplying the final customer with the best possible technical and cost solution while simultaneously conveniently offering one reference supplier.



Engineering department



Processing sheets using laser cutting



Numerically controlled steel sheets bending



Spare parts store room

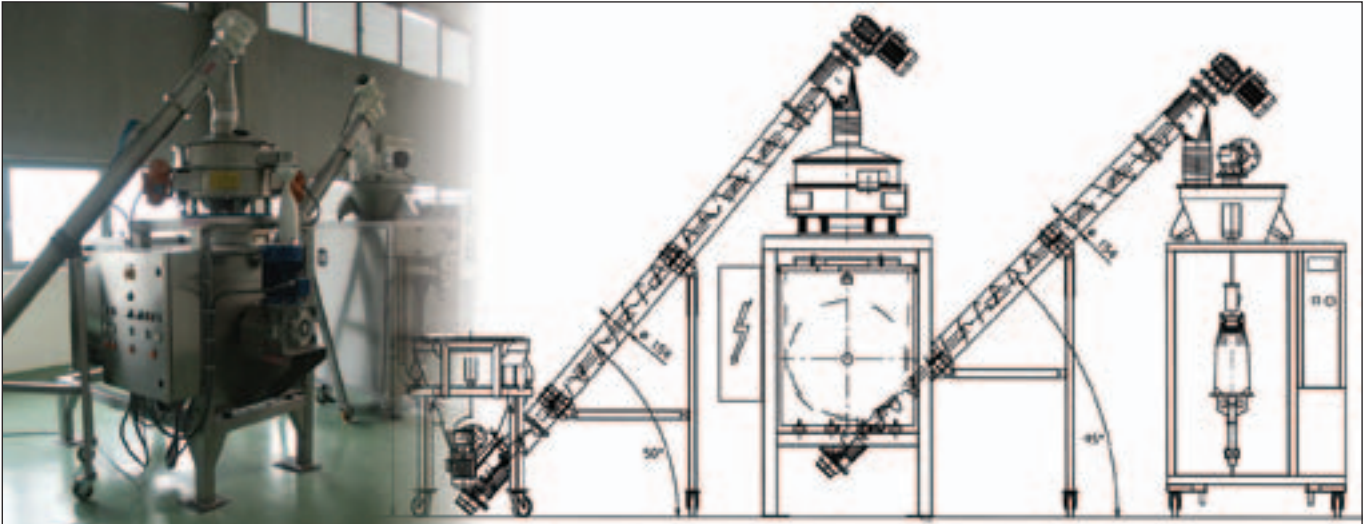


Turning department

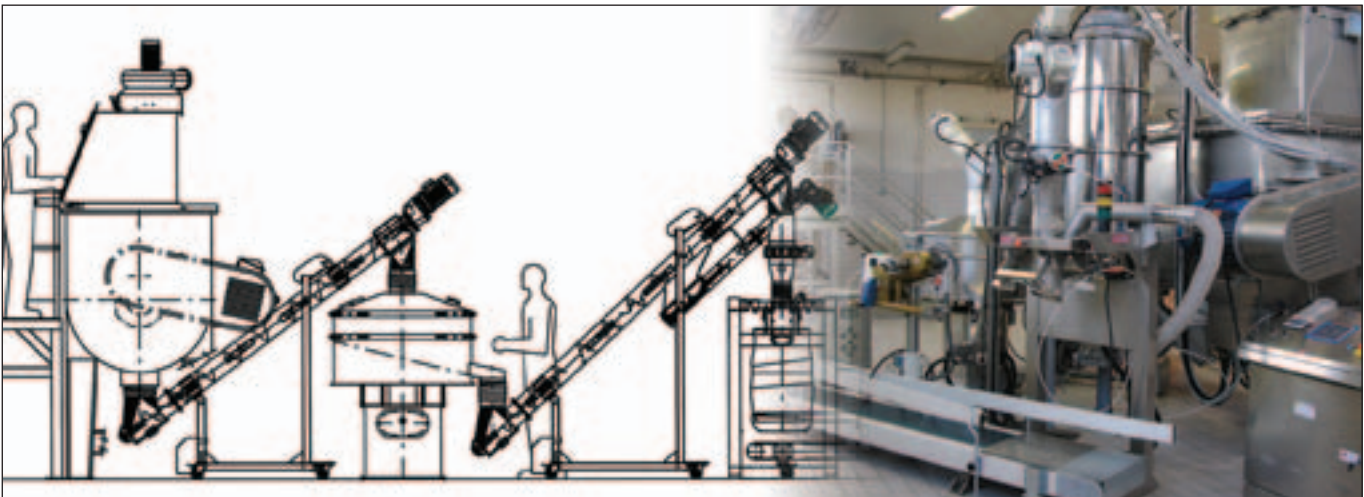


Production and assembly bay

ESEMPI DI IMPIANTI REALIZZATI / EXAMPLES OF REALIZED PLANTS



Complete line for screw conveyance, riddling, mixing and bagging in 1 to 5 kg capacity bags



Mix preparation plant including: loading components with powder suction, riddling, batching, bagging and closure



Plant for Bulk Bag - hopper with micro-components unloading and subsequent batching directly in the Bulk Bag filling station on loading cells

TRASPORTATORI FLESSIBILI E RIGIDI A SPIRALE / SPIRAL FLEXIBLE AND RIGID CONVEYORS

Trovano ampio impiego nell'industria alimentare, chimica, farmaceutica e plastica per il trasporto, con uguale efficacia, di polveri, granuli, macinati, miscele. Portate da 120 kg/h a 8.000 kg/h.

Questi sistemi di trasporto sono in grado di:

- Non demiscelare, durante il trasporto, prodotti già miscelati e dosati.
- Non inquinare perché ermetici e meccanici.
- Garantire silenziosità di funzionamento nell'ambiente di lavoro.
- Caricare e scaricare in qualunque punto del percorso.
- Prestarsi a molteplici combinazioni anche grazie alla flessibilità nel caso dei trasportatori con tubo flessibile.
- Superare rilevanti dislivelli e coprire notevoli distanze.

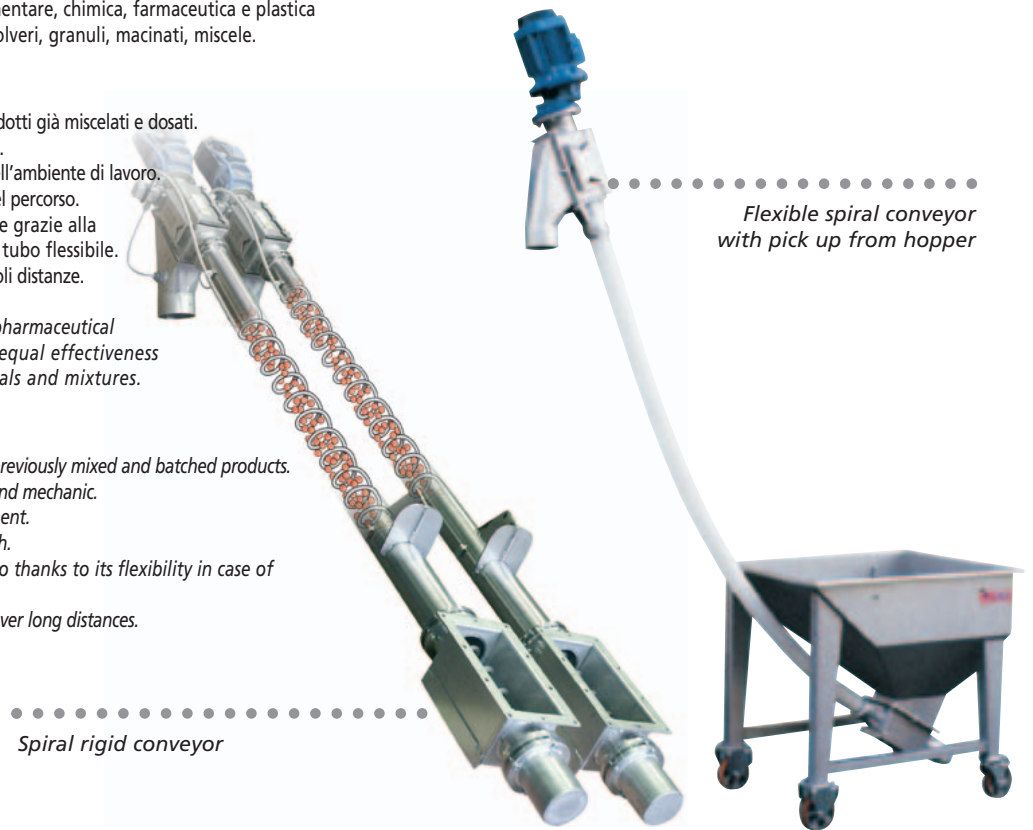
These are widely used in food, chemical, pharmaceutical and plastic industries for transport, with equal effectiveness for powders, granulates, ground materials and mixtures. Capacities from 120 kg/h to 8000 kg/h .

This conveyance system is able to:

- Avoid the demixing, during transport, of previously mixed and batched products.
- Avoid pollution due to it being hermetic and mechanic.
- Assure silent running in working environment.
- Load and unload in any point of the length.
- Suit itself to numerous combinations also thanks to its flexibility in case of flexible spiral conveyors.
- Overcome big differences in height and cover long distances.

Spiral rigid conveyor

Flexible spiral conveyor with pick up from hopper



TRASPORTATORI A COCLEA / SCREW CONVEYORS

Questi sistemi di trasporto sono in grado di:

- Realizzare portate elevate a bassa velocità angolare.
- Trasportare con uguale efficacia polveri, granuli, macinati e miscele.
- Trasportare prodotti abrasivi e ad alta temperatura.
- Trasportare in senso orizzontale, inclinato e verticale (elevator).

Portate da 120 kg/h a 30.000 kg/h.

This conveyance system is able to:

- Obtaining high capacities at low angular speed.
- Convey with equal effectiveness powders, granulates, ground materials and mixtures.
- Convey abrasive and high temperature products.
- Convey horizontal, inclined and vertical (elevator).

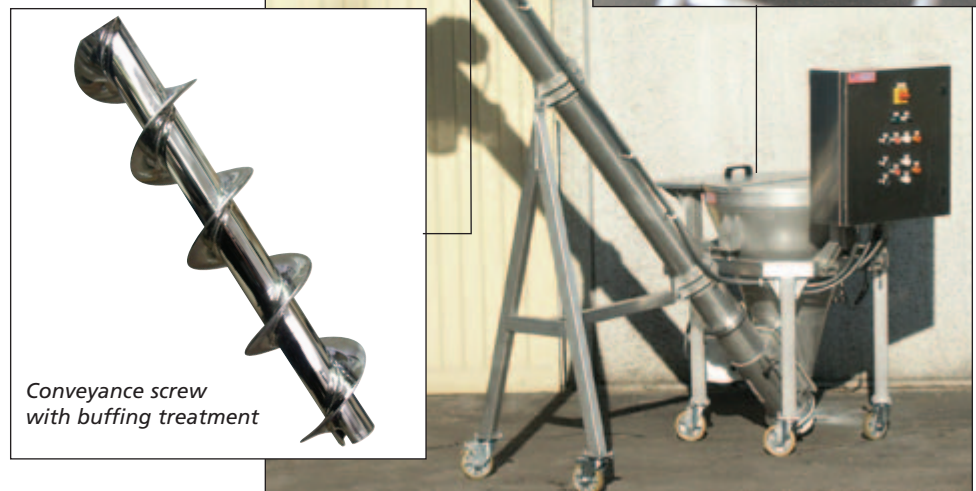
Capacities from 120 kg/h to 30.000 kg/h.

Bridge Breaker



Conveyance screw with buffing treatment

Wheeled screw conveyor with control panel



TRASPORTO PNEUMATICO / PNEUMATIC CONVEYANCE

Trasportatori pneumatici in depressione o in pressione per il trasporto di polveri, granuli e macinati. Sistemi idonei per:

- Trasportare a lunghe distanze con percorsi curvilinei.
- Prelevare da più punti con scarico in una unica stazione (trasporto in depressione).
- Scaricare in più punti partendo da un'unica stazione di carico (trasporto in pressione).

Depressure and pressure pneumatic conveyors for the transport of powders, granules and ground materials.

The systems are suitable for:

- Long distance conveyors for curvilinear runs.
- Multi-point extraction and single unloading station (depression conveyance).
- Multi-point unloading departing from single loading station (pressure conveyance).



Vacuum conveyor with "Venturi effect" pump



Pneumatic pressure conveyor



Vacuum conveyors

DOSATORI A SPIRALE, A COCLEA E A CANALE VIBRANTE / SPIRAL, SCREW AND VIBRATING CHANNEL BATCHERS

Dosaggi a partire da 300/400 gr/h.

Scegliendo opportunamente tra questi sistemi di dosaggio il più adatto, a seconda del prodotto da trattare, è possibile realizzare soluzioni personalizzate per dosare in continuo o discontinuo polveri, granuli, macinati e miscele.

Batches from 300/400 gr/h.

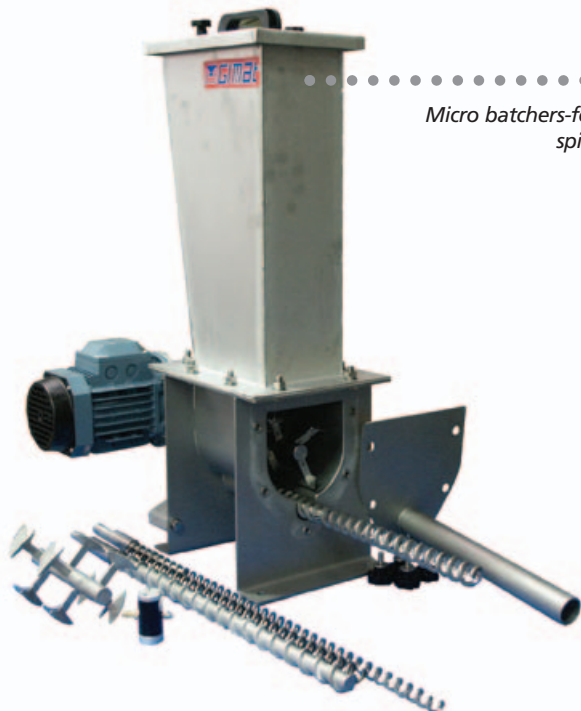
By correctly choosing the most appropriate of these batching systems according to the product in question it is possible to create customized solutions for the continuous or discontinuous batching of powders, granules, round materials and mixes.

Vibrating channel with pick up from hopper with axial agitator



Vibrating channel detail

Micro batchers-feeders with different spiral-agitator solutions



*Spiral volumetric batcher or gravimetric if combined with load cells weighing system
Bridge breaker - feeder on the bottom*



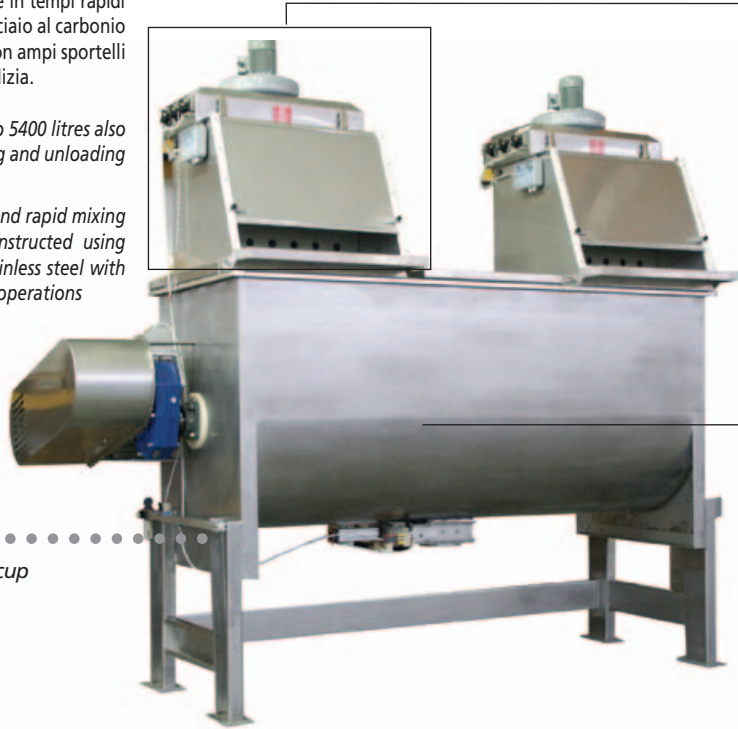
MISCELATORI ORIZZONTALI AD ASPO / HORIZONTAL RIBBON MIXERS

Realizzati con volumetrie da 100 a 5400 litri con a richiesta appositi trasportatori per il riempimento e lo svuotamento in automatico.

Sono idonei a miscelare omogeneamente e in tempi rapidi polveri e granuli. Vengono realizzati in acciaio al carbonio verniciato o in acciaio inox aisi 304 / 316 con ampi sportelli di carico per facilitare le operazioni di pulizia.

Produced for volumes ranging from 100 to 5400 litres also with special conveyors for automatic filling and unloading upon request.

The mixers are suitable for homogenous and rapid mixing of powders and granules. They are constructed using painted carbon steel or AISI 304 / 316 stainless steel with wide loading doors to facilitate cleaning operations



3500 lt Ribbon mixer with suction cup



Suction cup for bag opening



Agitator-Mixer interior detail

BILANCE INSACCATRICI E SISTEMI DI CUCITURA - SALDATURA SACCHI / SCALES WITH BAG FILLING SYSTEMS AND

Soluzioni semi-automatiche idonee per confezionare polveri e granuli in sacchetti, vasetti, sacchi a valvola e a bocca aperta.

Ideal semi-automatic solutions for packing powder and granules in small bags, pots, valve and open mouth bags.



Scales with bag filling systems for powder/granules into 25 kg open mouth bag



Electronic scale with filling system for 25 kg valve bags



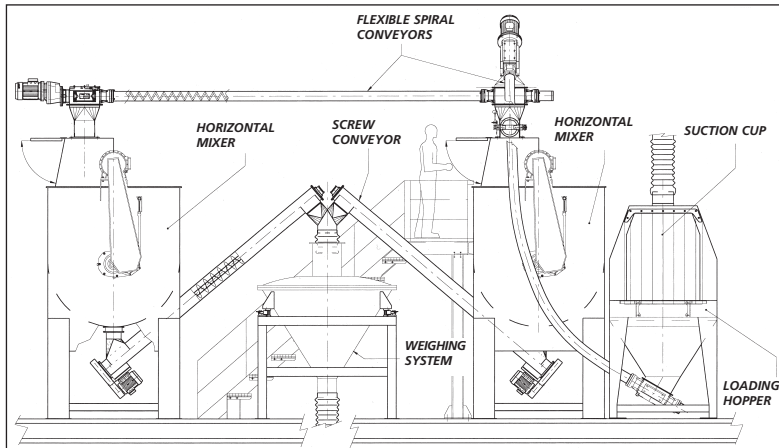
Screw filling with weighing device for small bags - drums from 0.5 to 10 kg



MISCELATORI VERTICALI A COCLEA / VERTICAL SCREW MIXERS

Realizzati con volumetrie da 250 ad oltre 10.000 litri con a richiesta appositi trasportatori per il riempimento e lo svuotamento in automatico. Sono ideati a miscelare omogeneamente e in tempi rapidi granuli e macinati. Vengono realizzati in acciaio al carbonio verniciato o su richiesta in acciaio inox aisi 304/316 con sportelli per facilitare le operazioni di pulizia.

Produced for volumes ranging from 250 to more than 10,000 litres also with special conveyors for automatic filling and unloading upon request. The mixers are suitable for homogenous and rapid mixing of powders and granules. They are constructed using painted carbon steel or AISI 304/316 stainless steel with wide loading doors to facilitate cleaning operations.



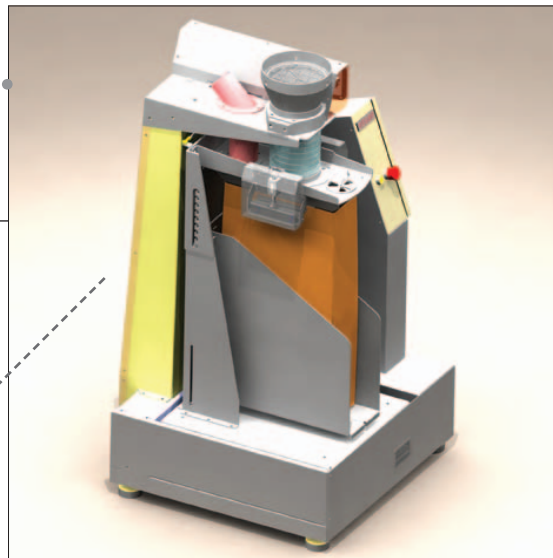
2000 lt Vertical Screw Mixers on load cells

BAG CLOSING DEVICES

From engineering to production



Scales with bag filling systems for granules into 25 kg open mouth bag



Thermal welding system with conveyor belt



Iris valve for partial bulk bag unloading and slow bulk bag discharge

Bulk Bag Hoist lifting and unloading system with double pick up



Bulk Bag filling station with flexible spiral conveyor

I.P. La GIMAT s.r.l. si riserva il diritto di apportare eventuali modifiche sul presente depliant e sulle macchine senza obbligo di preavviso.
GIMAT s.r.l. reserves the right to make any modifications to this leaflet and to the machines without giving prior notice.

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