LIFT and ELEVATORS

101 ELEVATORS FEATURES

Machines designed to manage and lift the pieces to the desired height, creating large loading autonomies. Sturdy construction, designed for heavy duty and continuous operation, with zero maintenance.

The TUMAC Equipment are designed and manufactured based on the end-users requirements, in order to guarantee performance, reliability, user-friendly operation with an excellent match of value-for-money. For any information, please do not hesitate to contact us.

Basic Criteria application

- For heavy additional mass at the bowl
- For minor noise emission
- For more loading pieces into the bowl
- Dedicated for transporting oriented or bulk pieces, they are available with different types of belts based on the pieces to be fed.

The length, width and feed speed can be varied based on customer requirements.

TECHNICAL DATA

Connection Cable length 2000mm
Power supply STD 230/400V AC 50Hz 3P+T
Information: We can supply with different voltages and frequencies
Rules according ESM machinery directive 2006/42/CE

NOTE:

STURDY
RELIABLE
MULTIFUNCTIONAL

LIFT and ELEVATOR

Used for lifting and positioning in the share of pieces, in different sectors. Suitable for obtaining a height of output and an important autonomy. In addition to a vibrating System, they can be an good solution for the selection and orientation of the pieces, and of course with conveyor belts.

The range and type of ELEVATORI TUMAC is probably the most complete and exhaustive response to issues related to handling - Feeding, for the Industrial Automation sector. The modularity and the achievable configurations, allow a high number of possible combinations.

Below a summary of TUMAC Supply:

CHAIN Feeder ELEVATORS “LIGHT” – “HEAVY”

CHAIN Elevators are used to feed hot, medium-weight or sharp metal parts. The feeding system utilises steel chain belts on which steel pallets are welded or fixed. The width of the chain roller, the shape and the number of pallets are established during the design phase in accordance with the piece and the flow required.

The wide range of equipment and configurations of supplying allow to satisfy every need – request.

ELEVATORI a CATENA metallica (con Traini – Tapparella) versioni “LIGHT” – “HEAVY”

Gli elevatori a catena metallica, sono impiegati per alimentare pezzi metallici anche caldi, medio pesanti o taglienti. Per l’alimentazione vengono utilizzati nastri a tapparelle in acciaio su cui sono saldate o avvitate le palette in acciaio. La larghezza della tapparella, la forma e il numero delle palette vengono stabilite in fase di progettazione in base al pezzo e alla cadenza richiesta.

Le dotazione previste e le configurazioni possibili sono tali da soddisfare ogni tipo di esigenza – richiesta, anche le più estreme.

MAGNETIC LIFT – ELEVATORS

The magnetic elevators are used to supply ferrous pieces such as: small metal parts, bushing, nails, pins, screws, scrap iron.

The feed system utilises high resistance polyurethane belts. The structure is made of AISI 304 stainless steel. The operation occurs by means of a vertical belt and a permanently magnetic shaft - roller.

A demagnetizer devices is applied at the output. The elevators require no maintenance, as all of the moving parts rotate on watertight bearings.

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STEP FEEDERS new Elmulti STEP

Plate elevators are particularly suitable for feeding heavy materials such as: rods, small metal parts, pins, fittings, valves, screws and glass items such as: lamps, lenses, giftware. They are distinguished by the qualities of flexibility, silence, strength and delicacy in parts handling. The alignment of the pieces is carried out by linear vibrators placed at the output of the elevators. Pieces which are not aligned are recycled in a re-entry hopper. The materials used in the construction of the plates and brackets can vary and they are chosen in accordance with the characteristics of the specific pieces to be fed.

TUMAC with the new and innovative line of EL multi-STEP offers a variety of machines are extremely versatile, designed to meet the needs of handling the most extreme. Ideal for lifting pieces "delicate" where the action of contact and the stress between the surfaces must be minimized.

Designed for the cosmetic industry, the Feeder TUMAC EL multi-STEP is also successfully used in the industrial segment, to automate the process of handling of fabricated metal products.

A range of machines characterized by excellent qualities of robustness and reliability, guaranteed by the kinematic mechanism of lifting completely mechanical, with possibility to better adjust the rate of the cycle, for a perfect synchronization with the line to be fed.

The new Plate elevator TUMAC EL multi-STEP can power strip or linear vibrators, equipped with devices and systems for handling and orientation of the part.

The equipment provided and configurations are possible to satisfy every need - request, even the most extreme.

ELEVATORI - ORIENTATORI

Macchine che integrano le caratteristiche degli Elevatori, (autonomia ed un efficace controllo della dinamica di alimentazione dei pezzi), con l’aggiunta di alimentsare il pezzo già Orientato. L’orientamento dei pezzi può essere eseguito su vibratori lineari oppure su nastri trasportatori. I pezzi non orientati vengono, se scartati, riportati sul dispositivo di orientamento, oppure veicolati nella tramoggia.

In funzione di esigenze e/o richieste particolari, la tramoggia a gravità può essere sostituita da un caricatore ausiliario vibrante o motorizzato.

Un dispositivo posto sulla longitudinale dell’orientatore, ferma l’alimentazione dell’elevatore, quando la colonna dei pezzi ha raggiunto la lunghezza pre-definita.

STANDARD manufacturing Supply:
- N#4 adjustable foot print
- N#1 set Hopper Cover fix in Polycarbonate
- N#1 Hopper loading door in Polycarbonate
- Timing/flat belt PVC Industry utility (Special belts can be defined during order)
- Voltage 400V AC 50Hz 3P+T, power cable length 2.000mm, with socket Male 3+1 pin 400V 16A
- TUMAC Standard Painting Gray RAL 7035 finishing "Goffered"

Special DEVICES in OPTIONAL
- Level switch device (matching with Bowls CHTB)
- Hopper Level Switch
- Hopper Door Safety switch
- Panel Box ( managing Drive Unit + Level switch )
- Frame with n#4 "Swivel - Caster Wheels"
- Pieces fast discharging devices
- The walls hopper can be covered with a special coating, wear-resistance and sound proof (Ask for quotation)
- Hopper opening door Servo-assisted by pneumatic devices (Ask for quotation)
- Wide range of accessories for every type of application needs.

New series, can be equipped with a wide range of OPTIONAL/TOOLS see our Technical Proposal.