



food processing &
packaging solutions

» TNA feeding ambitions

TNA mogul solutions



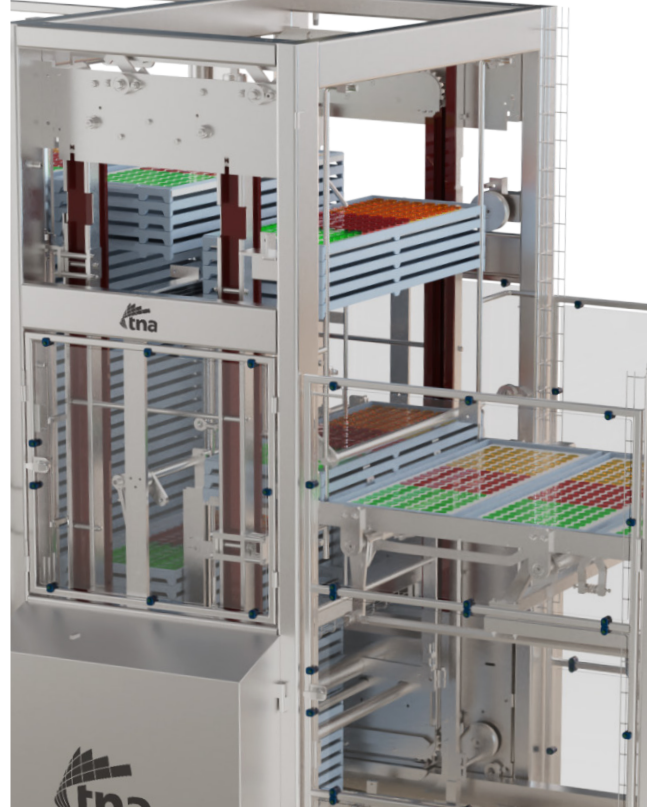


maximise productivity
minimise downtime
optimise profitability

tna mogul ST

TNA moguls, are the result of recent innovation and development offering the ultimate combination of productivity, versatility, hygiene and safety.

tna mogul ST utilizes the industry standard trays engineered to operate at up to 30-35 trays per minute, 24 hours per day, 7 days a week.



tna mogul MX

tna mogul MX, designed for the larger tray, provides maximum capacity of up to 6000 kg/hr, depending on a specific product size piece weight and starch conditions.

The TNA mogul fully integrates the automatic tray stack feeder, starch section, depositors, tray stacker and pallet transport.

With unsurpassed versatility in product variation the moguls accommodate a wide range of depositing pumps and suits a wide variety of starch-moulded products.



depositor

Integration, Variations and Executions

The Depositor is the ultimate in versatility and produces a vast array of articles. It can be equipped with one, two, or three tray size depositing pumps in any configuration depending on product requirements.

Versatility of confectionery recipes

All possible starch-moulded confectionery recipes:

- » Gums & Jellies
- » Marshmallows
- » Nutraceutical
- » Fondant Creams
- » Liquorice
- » Crusted Liqueur

Flexibility of product colours and positions

Product mass shapes and colour combinations include:

- » Single-colour – up to 6 and more colours
- » Side-by-side colours – 2 colours per shape
- » Starlight – 2 colours per shape
- » Centre-in-shell – 2 mass per shape
- » All products can have additional layers of foam

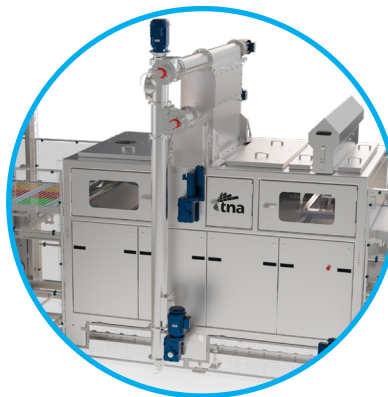


starch buck

The servo driven tray turn-over mechanism combines secure mechanical tray clamping with fast turnover, secure contents discharge. Single perforated drum provides reliable energy-efficient product and starch separation. The unique maintenance free 'walking beam' tray transport guarantees accurate tray placement for perfect printing, even at high speed.

The TNA special combination of starch tray filling, levelling and printing ensures high-resolution, high-quality mould impressions. The servo driven printer table is equipped with a vibrating system to provide high product capacity.

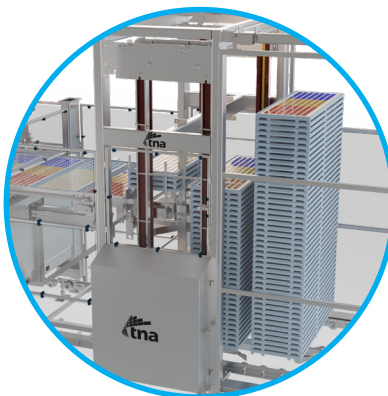
Starch on tray edges and sides is removed by a combination of air jets and suction devices, ensuring starch containment within the section. Sealed access doors, combined with suction ports at several locations, assure superior containment of airborne starch dust. Innovative design minimises starch accumulation on the frame and the mechanisms, improving hygiene and minimises starch losses. All starch is automatically collected for further continuous processing and tray re-filling.



feeder and stacker

The mogul feeder and stacker are optimised for fast, reliable operation and can be built to specific heights and tray sizes, maximising yields.

The multi tray sub-stack arrangement permits high speed production yet low speed stack movement into the feeder and out of the stacker. The feeder and stacker clamp chain drives are servo driven as standard. Servo driven pallet run-in and run-out drives are optional. Empty pallets are automatically carried under the mogul from the feeder to the stacker.



applications



gummies & jellies



marshmallows



nutraceutical

key benefits

- » High volume, up to 35 tray per minute (TPM) production, depending on product shape, piece weight & starch conditions.
- » Designed around your existing tray size.
- » High quality confectionery through precision depositing pump movement and temperature controls.
- » Recipe-driven PLC control and servo-drives throughout.
- » Tray lift eliminates tailing and permits depositing of special products.
- » Production of any article concept or idea
- » High degree of hygiene and sanitation with improved starch containment and full stainless steel execution
- » Compliance with safety requirements for hazardous locations
- » Easy operation with single point touch screen controls
- » Reliability and predictive maintenance
- » Local support for parts and service

specifications

tna mogul specifications		
Model Type	tna mogul ST	tna mogul MX
Tray Size (typical)	820 x 400 mm	1220 x 440 mm
Mogul Speed range*	20 - 35 tray/min	20 - 35 tray/min
Mogul Capacity*	1000 - 3500 kg/h	2000 - 6000 kg/h
Stack Height	up to 60 trays**	up to 60 trays**
Pallet	2, 3, 4 stacks	2, 3, 4 stacks

* Depending on starch conditions, product size, piece weight and combination

** Depending on tray height. Higher stacks can be considered.

