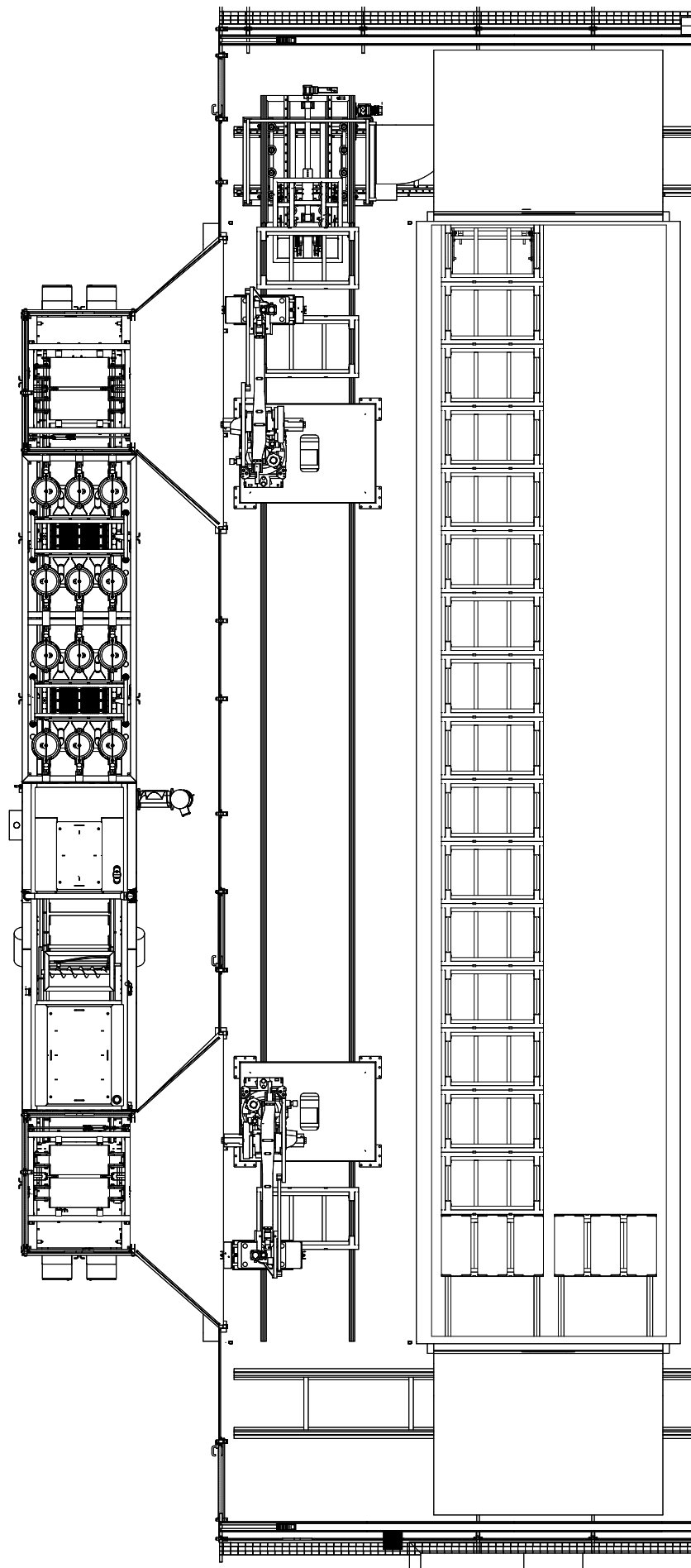




T-Gel[®] Moulding

The T-Gel Family Extended

from raw materials to finished product



From a long family tradition of candy confectionery craftsmanship and technical imagination and our expertise in Gums & Jelly production in particular, we have been developing ideas as to how a starch based Depositor should be designed overcoming some of the mechanical and contamination challenges of Moguls in the market at present. In our experience line speed, dosing accuracy and line efficiency have always been at odds. It was time for a drastic overhaul of traditional Mogul design.

The new approach to starch based Gums & Jelly depositing incorporated in T-Gel Moulding is a culmination of innovative concepts resulting in increased line productivity and improved dosing accuracy. Introducing proven Robot technology for the feeding and stacking of mould boards is one of the innovations that has reduced mechanical sore spots of traditional Mogul design significantly. The implementation of paired mould board line feeding and double tipping, starch filling, printing and depositing operations have made it possible to resolve the apparent paradox of reduced line speed and increased line output: Instead of 27 to 30 board movements per minute T-Gel Moulding simultaneously moves 2 boards 20 to 22 times per minute with a line output however of 40 to 44 boards per minute. This results in less product (product strings) and starch contamination and far more accurate single piece dosing. Much attention to ergonomic details and energy and utility consumption aspects of the design have made T-Gel Moulding an easier to maintain and clean moulding line with a relatively lower Total Costs of Operation (TCO).

Features:

- Robots for stacking and de-stacking of mould boards
- Tipping station with linear sieve system
- Coarse and fine starch filling station
- A double full tray printing station
- Double full tray pump system also suitable for centre in shell depositing
- Double layer depositing
- Automatic on demand tray eject function with (optional) vision system

Advantages:

- Increased plant output of 40-44 trays/min.
- Reduced starch contamination.
- High depositing accuracy
- Increased efficiency of stacker/feeder stations due to the use of proven (automotive/packaging) robot technology
- Lower Total Costs of Operation (TCO) through energy savings and high utilization efficiencies
- Easier to clean and maintain through ergonomic design

Options:

- Empty and filled tray weighing system to detect mould board weight and depositing discrepancies.
- Vision system to detect printed shape anomalies before depositing
- Manual tray eject/infeed station
- CIP vessels instead of hoppers



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