



Continuous Motion Tray Former Nigrelli Tray Former



Key Features

- Variable speeds to 100 trays per minute
- Integrated system sequenced by computerized controls
- Clean, open design for easy visual inspection
- High capacity tray blank magazine
- Designed for 24-hour production, 6 ½ days per week
- Symmetrical components
- Rotary blank feed system
- Overhead forming mandrels
- Nordson hot-melt glue system
- Allen-Bradley Logix Series PLC
- Safety switches on all access guards

Continuous Motion Tray Former

Nigrelli Tray Former

The Nigrelli Tray Former is a continuous motion unit designed to erect the side panels of trays, apply glue and secure the flaps. The system indexes blanks from an optional mass feed conveyor, and the individual blanks are fed into the forming section by a rotary feed unit.

The formed and glued trays are then conveyed to case packing equipment, such as the Nigrelli Diplomat.

Tray blanks are placed into the feed magazine or optional belt feeder and indexed into a magazine hopper. Individual tray blanks are pulled from the primed hopper by a rotary feed unit. Stripper lugs capture the blanks, and carry them into a pocket.

As the tray blanks enter the pocket, an overhead mandrel forms the leading edge of the tray, and pulls the tray away from the pusher lugs. After the trailing edge is formed, leading and trailing minor flaps are plowed into position by a side mounted tucker arm.

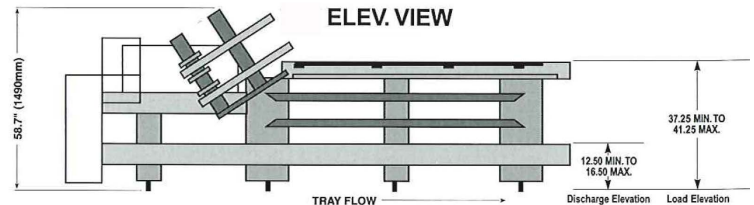
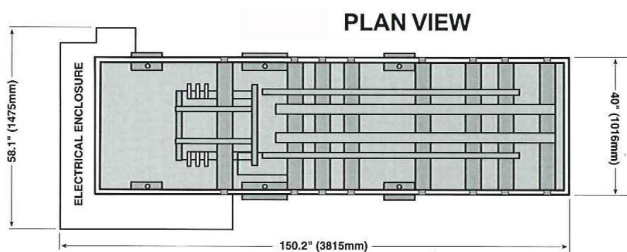
As the tray moves past the glue heads, glue is applied to the minor flaps. The major flaps are plowed up, and static compression rails maintain pressure on the flaps while the glue sets.

The tray moves through a hold down section, where the overhead forming mandrels are removed. Completed trays exit the tray former onto a customer supplied conveyor.

The Nigrelli Tray Former is a sturdy, reliable unit, designed for 24-hour, 6 ½ day operation. The workflow is open and straightforward, allowing easy visual inspection. The system is capable of variable speeds up to 100 trays per minute, and all operations are sequenced by computerized PLC controls.

Available Options	
■	Transformers for non-standard power supplies
■	Right or left hand operator station
■	Variable size tray forming capability
■	Visual operator display
■	106" automatic tray blank feeder
■	Can be interfaced with Nigrelli Diplomat Tray Loader
■	Finished with Steel-It paint
■	Allen-Bradley PanelView HMI

Specifications	
Electrical / Air Requirements	
Power	230/460VAC, 3 phase, 60 cycles
Control Voltage	120 volt or 24V DC
Air	80 psi



All sales are subject to our prevailing terms and conditions. Illustrations and specifications are subject to change without notice. Machines shown without guards are for illustrative purposes only. Guards are supplied and must be in place before operation.