

LEADING IN REEL TO REEL INNOVATIVE IN AUTOMATION

AUTONOMOUS TRAY FEEDER SYSTEM

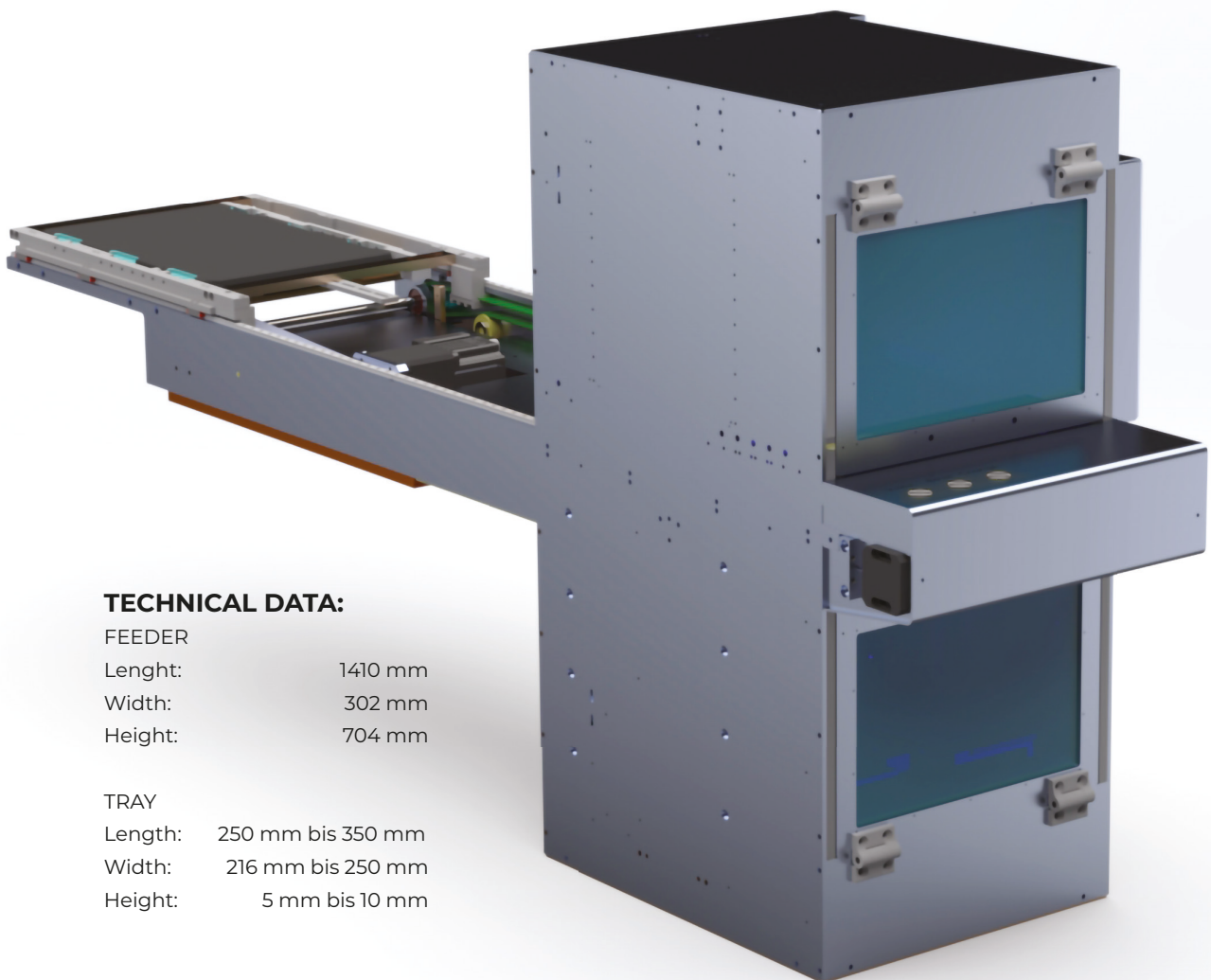
FOR COMPONENTS IN STACKED BLISTERS

OPERATION PRINCIPLE

The Input Stack initiates the transfer of the tray to the shuttle, which conveys the tray to the transfer position. At this point, the Pick and Place (SMT) machine takes over the components from the tray. The emptied tray returns to the Output Stack and is received there. Simultaneously, a new tray is handed over to the shuttle. This entire process is executed autonomously. When the Output Stack is full or the Input Stack is empty, the status is reported to the SMT machine and visually displayed through a traffic light indicator.

PROCESS TIMES

- Moving tray to change position: 1s
- Tray transport from input to output 2s



TECHNICAL DATA:

FEEDER

Length:	1410 mm
Width:	302 mm
Height:	704 mm

TRAY

Length:	250 mm bis 350 mm
Width:	216 mm bis 250 mm
Height:	5 mm bis 10 mm