

TP-4000-RA Tag Processor

Specifications

The Northern Apex TP-4000-RA Tag Processor is a multi-function machine that allows for attaching an RFID tag on a component in situations where placement is critical. The TP-4000-RA routes a small pocket for tag placement, programs the tag and attaches the tag. With a cycle time of approximately 7 seconds, the TP-4000-RA greatly increases production and eliminates the sloppy process of manually attaching tags. The routing, programming and application of the tag is controlled via a PLC based system. There is also an onboard PC that links to the WoodTrack core to provide the data necessary to program the tags.



Route & RFID Surface Apply

- ▶ Allen Bradley PLC based control system
- ▶ Allen Bradley panel view plus HMI touch panel
- ▶ Capable of processing flat panels
- ▶ Non-contact product placement sensors
- ▶ Automatically detects RFID tags that are marked as non-read/write from the factory
- ▶ Programmable vertical tag application elevation for inverted panels
- ▶ Variable speed router capable of 24,000 RPM
- ▶ Programmable routed cut depth and width
- ▶ Fully programmable router spindle speed and feed rate
- ▶ Automatic transfer from router to apply station
- ▶ Dual antennas for pre & post read applications
- ▶ Flexible tag feed tooling to accommodate next generation RFID tag upgrades

Optional:

- ▶ Low level tag feed roll sensing
- ▶ Automatic load options available
- ▶ Service contract available on request