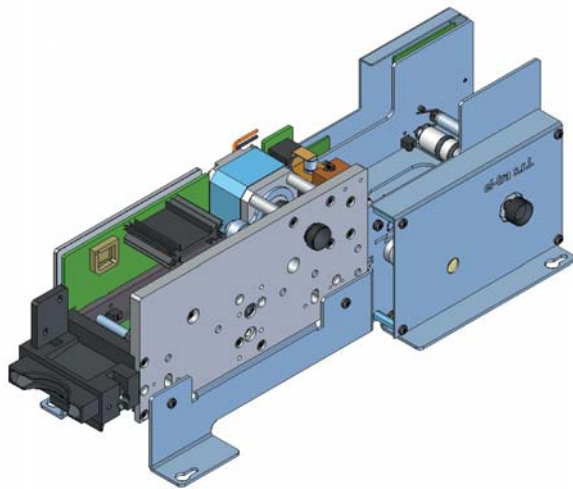




# TPM - EL3000 SERIES Toll payment machine



## MAIN FEATURES

- Side frame supporting printer and reader/encoder modules
- Stepping motor and photosensors ticket positioning
- Thermal printer or dot matrix printer options
- In line or transverse dot printer options
- Capability of processing rounded or bevelled ticket corner shape
- Punched holes or printed marks compatibility
- EL2000 reader/encoder module usage
- Microprocessor based electronics
- SMD low consumption electronic circuits
- Communication by means of RS232/RS485 serial interface

## TECHNICAL SPECIFICATIONS

### OVERALL DESCRIPTION

#### ·OUTLINE DIMENSIONS

- EL3000 series (compact):** 160(H) x 340(L) x 120(W) mm
- EL3000 series:** 160(H) x 400(L) x 120(W) mm
- Weight:** 3.5 Kg (Approximately)
- Electronics:** EL2000 PCB plus a specific board
- Ticket motion:** Stepping motor
- Transport method:** Belt and rolls
- Ticket Sensors:** Photosensors
- Printer options:** Thermal or dot matrix
- Output interface:** RS232 / RS485
- Power requirements:** +24V DC +/-10% 3A

### TICKET SPECIFICATION

- Length:** 85.60 mm (EL3000 series)  
120 mm (EL3000 series only no compact)
- Width:** 53.98 mm
- Thickness:** From 0.15 to 0.35 mm

### ENVIRONMENTAL

- Operating temperature:** From 0 to +50°C
- Storage temperature:** From -20 to +60°C
- Relative humidity:** From 20 to 80%  
(No condensation)

### DOT MATRIX PRINTER

- Printing method:** Dot matrix impact
- Maximum frequency:** 1250 Hz
- Dot per line:** 8
- Dot diameter:** 0.3 mm
- Font configuration:** User defined (Default 7 x 5)
- Distance to platen:** From 0.3 to 0.5 mm
- Print-wire life:** 250 millions of impacts per needle

### THERMAL PRINTER

- Printing method:** Thermal dot line printing
- Print Width:** 40 mm
- Dot per line:** 320
- Dot pitch:** 0.125 mm (8 dots/mm)
- Head down movement:** By electromagnet
- Font configuration:** User defined (Default 7 x 5)
- Heat pulse life:** 1 X 10<sup>8</sup> pulses
- Abrasion life:** 50 Km