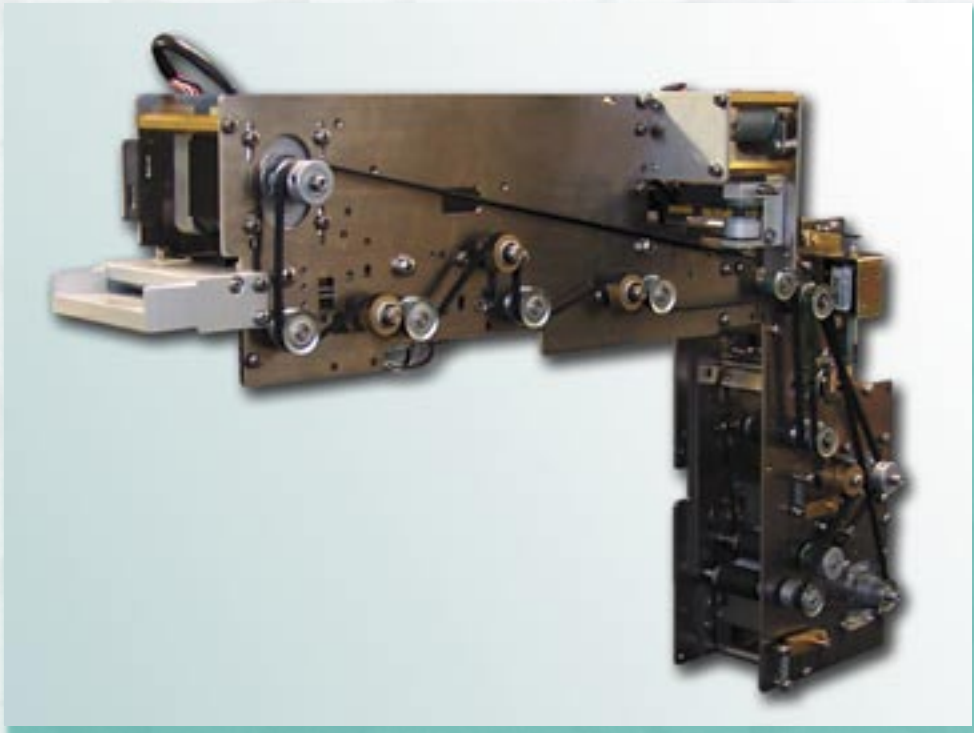


FTDS_TPU

Fast Issuing Machine with transversal printer up
and double version feeder



Description

The FTDS_TPU module is a fast issuing machine based on the new ENC_RISC; it can issue tickets from 0.18 mm to 0.22 mm and manage two different kinds of titles thanks to the integrated double roll feeder (titles 0,18 mm thick for tickets in rolls and ragging between 0,18 mm and 0,27 mm for tickets in fanfold or contactless cards in TFC1 fanfold format). The 90° development of the vertical feeder unit allows to have a dimensioned device despite complex functions taken out. The main features of the machine are:

1. CPU_RISC control board
2. High configurability of ISO or TRANSAC magnetic heads. Management up to 4 magnetic heads in central and /or lateral, upper and/or lower position.
3. Transversal impact printer on upper side of the ticket

Mechanical structure

This module is compact and equipped with a original roller transport system that manages cards with embossing. Ticket transport is guaranteed by a stepping motor and by the roller's rubber that avoids slipping during managing operations. The feeder has two motors for the independent and reliable management of each roll.

Optional devices available on request:

- R/W IC cards
- Laser reader for bar codes
- I/O Optocoupled
- R/W contactless cards
- LCD display interface
- Front opening shutter

Technical and mechanical features of base version

LoCo encoding and reading of ISO 2 lateral standard magnetic tracks at 75 bpi, or in central position
Ticket and card management with variable thickness from 0.18 up to 0.8 mm
Front opening for ticket introduction
LCD display interface

Available options for base version

- Reading and encoding of ISO1 and ISO3 tracks at 210 bpi.
- HiCo magnetic encoding
- R/W I/C card or contactless card
- RS 232 interface for external or internal contactless card reader
- Reading and encoding of TRANSAC tracks
- Shutter with pre-head
- Scanner laser for barcodes

Features of the CPU RISC board

The module is controlled by the Fujitsu CPU RISC 32 bit with resident firmware.

The board has following features:

- CPU RISC 32 bit Fujitsu
- Flash Memory 512 KB
- Ram Memory up to 512 KB

Available options for base CPU board

- I/C Card control interface
- Shutter control interface
- I/O optocoupled (3 Input and 3 Output).
- Contactless Card control interface
- LCD display 1x8 up to 2x40 characters control interface

Optional modules

- FED2R/2M/OR double horizontal feeder
- FED2R/2M/90° 90° double vertical feeder with development towards the bottom

Technical data

Dimensions with 90° feeder	288(H) x 410(L) x 146(W) mm
Power supply	24 V _{cc} – 2,5 A max vers. LoCo
	3.6 A max vers. HiCo
Operative speed	Up to 800 mm/Sec
No. characters printable per line	24
Printable area (ticket 54x85.6 mm)	50 x 81.6 mm
Average life of magnetic head	> 1.000.000 cycles
Average life printing heads	10.000.000 characters
Average life inked ribbon	1.000.000 characters
Interface	EIA RS232C, RS422/485
Protocol	Asynchronous 19.200 bps 7 bit, even, 1 stop



Adel S.r.l.

Legal address: Via Saffi 58 – 41100 Modena Italy

Operative address: Via Nonantolana 970/1 - 41100 Modena Italy

Tel: ++39 059 2550137 • Fax: ++39 059 2551207 • www.adel2000.it • email: adel@adel2000.it