

Specifications and features are subject to change without notice.

T 7000 / T 7000 D Technical Specifications

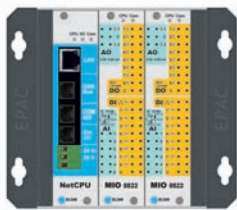
Programs	Unlimited	Humidity	% 10-85 (non-condensed)
Locks	200	Isolation	2000 V (digital), 500 V (analog)
Parallel Processing	16	Analog Calibration	Inputs- Pt100, mA (0-20,4-20)
Coupled Machines	4		Outputs- mA (0-20, 4-20)
Display (T 7000)	10,4" color TFT	I/O Unit	TBB PLC or EPAC
Display (T 7000 D)	10,4" Touchscreen color TFT	Program and calibration data downloading	PC
Keyboard	40 keys, industrial	Communication	RS232, RS422, CAN Bus, 10/100 Mb ethernet
Operating Voltage	24 V DC (-%15 / %20)	Memory	250 MB (1GB max)
Power Consumption	25 W OpTerm, 30 W EPAC/PLC	Flash Disk	4 GB Compact
Operating Temperature	0-50 °C	Real-time clock	Evet

T 7000 / T 7000 D Input/Output Configurations

I/O Unit	Digital Input	Digital Output	Analog Input	Analog Output
EPAC 10	80	80	20	20
TBB PLC	64	64	16	16

EPAC Series

(Rack type, in IEC-61131 Standard, Programmable Automation Control System)

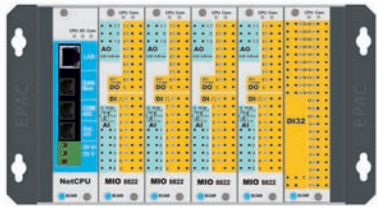


EPAC 2

(1 x NetCPU + 2 x Slot) Rack,
IEC-61131 CoDeSys

NetCPU modul

Ethernet,
CAN Bus,
USB,
RS422,
1GB Memory,
IEC-61131 CoDeSys

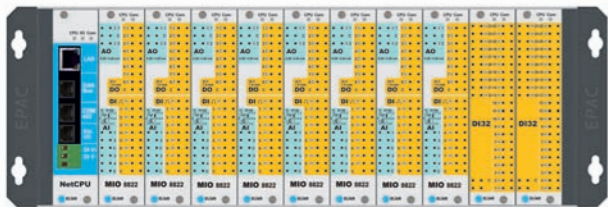


EPAC 5

(1 x NetCPU + 5 x Slot) Rack,
IEC-61131 CoDeSys

MIO-8822 I/O modul

8 x DO Relay,
8 x DI optical isolated,
2 x AO (0/4-20mA) isolated,
2 x AI (mA, V, T/C, PT100)
universal input,
1 x Counter (24 VDC) optical
isolated

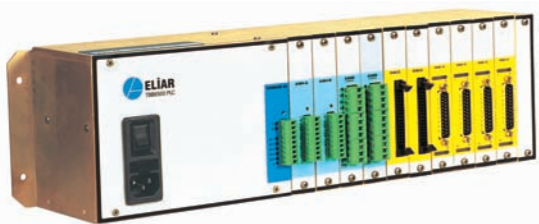


EPAC 10

(1 x NetCPU + 10 x Slot) Rack,
IEC-61131 CoDeSys

DI32 Input modul

32 x DI (24 VDC) optical
isolated



TBB PLC

32 x DI (24 VDC) optical
isolated

T 7000

T 7000 D

MULTIPURPOSE TEXTILE CONTROLLERS

TOUCHSCREEN

MULTIPURPOSE TEXTILE CONTROLLERS



- State of the art software and hardware technology
- Fully automated, reliable and economical dyeing of fabrics
- Configurable to all kinds of dyeing machines and processes
- Easy adaptability
- Immune from computer viruses by means of Linux operating system
- X86-based processor
- Internet access from all over the world
- Fast and reliable communication with EPACs by Modbus

Dyeing

Rinsing

Drying



ELIAR

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BR T7000 EN 100530



ELIAR

Easy usage and monitoring

- Color graphical user interface and the interactive machine monitoring
- Touch screen (T 7000 D)
- User changeable information on the screen
- Machine diagram
- Real-time temperature and level graphics, comparison with the theoretical values
- Real-time "tours - tour time" chart
- Alarm management and alerts
- Manual intervention capability
- Open device configuration with password protection

Dyeing, drying and rinsing process functions

- Fabric dyeing, drying, rinsing, package dyeing, drying, rinsing functions
- More than 80 build in process functions for textile
- Easy adding of new functions based on machine and process properties

Optimization and accelerator features

- Flexible process programs by means of formulas as command parameters
- Automatic calculation of command parameters by "batch start parameters"
- 16 parallel commands execution in a single step
- Reading opacity of dyeing bath and optimization of rinsing phase (requires sensor)
- Definition of machine constants and timer constants, faster machine installation
- Coupling of 4 machines
- Automatic fabric speed calculation and cycle time calculation, cycle count based process
- Starting of prepared processes which are prepared and uploaded to controller previously

Archiving, backup and maintenance

- Archiving of last 3 months of alarms, temperature, level and cycle time values
- Water consumption reports
- USB flash disk usage and backup feature of configuration and processes
- Internet access and software version upgrade

User management

- User definition, assigning access rights to user for menu and windows
- Password protected log in and log out

Multi language

- Turkish, English, Chinese, Arabic, Persian, Portugal and all other languages
- Runtime language changing

Teleskop central control and monitoring package and integration to dye-house system

- 100 Mbit Ethernet connection for with Teleskop
- Starting ready to run processes which are uploaded from Teleskop
- Online chemical and dye request from chemical and dye kitchen from

PC software utilities

- Project configuration software
- Project backup software
- Machine diagram configuration software
- Version upgrade tool

