6TL08

COMPACT BASE PLATFORM

*fast*ATE® platforms
are the ideal base
to develop ATE solutions

6TL provides the base, the
integrator provides the ATE

The purpose of the 6TL-08 base platform is to cover the most common testing and in-system programming (ISP) needs with a reduced initial budget, including a low cost cassette fixture system with a manual linear push mechanism.

The platform enclosure features an 8-Slot fixture receiver, compatible with VPC 90 Series Mass Interconnect Modules, as well as 6TL intelligent YAVModules (YAV90MMU) and room for fast ISP devices, PXI chassis and power supplies. A screw removable back panel allows easy placement of custom connectors.

The 6TL-08 is presented in three different configurations:

Basic, as a stand-alone low cost tester with test executive software running on the YAV90MMU (programming of test sequence using an Excel spreadsheet)
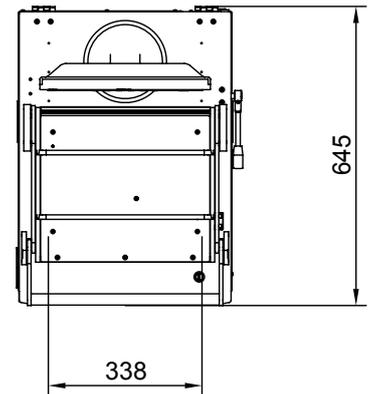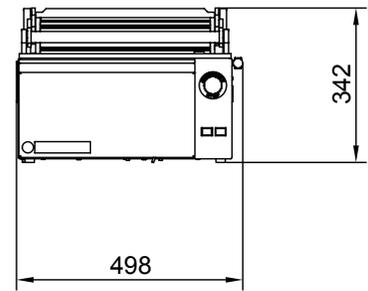
Advanced, as a stand-alone low to mid cost tester, with a PC, where LabView / TestStand, Visual Basic or other software development tool can be used to create the test sequence.

Plus, as a PXI based stand-alone compact tester, which enlarges the capabilities of the base platform up to High Frequency and all other sophisticated SMU's, stimulus, measurement, communications or digitizing options available. Any additional Instrumentation Bus for rack and stack instruments can be implemented.

- Table top compact & modular platform
- Low to mid sized production batches
- Suitable for R+D, Prototiping and Quality control
- Ideal for ISP, BS and FT
- PXI chassis direct integration
- Linear Manual Pushing Mechanism for up to 2000N
- Mass interface receiver for up to 8 YAV modules
- Low cost easy and fast exchangeable fixture cassette system with ITA frame
- Folding Keyboard with trackball and TFT
- Available internal space for extra platform devices & customizable rear panel
- IEC Inlet plug with Switch and Protection fuse
- YAV90MMU, Ethernet to CAN gateway Multiplexed Measurement Unit

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Platform Operation	Off-Line
Type	Compact, table top
Wxdxh [mm]	498 x 645 x 342
Weight [Kg]	27
Press unit	Included; Manual operation; 2000N maximum force
Fixturing	Low cost exchangeable cassette type
Maximum probing area / PCB Size	205 x 303mm
Free space for instruments, loads or power supplies	Inside enclosure [wxdxh mm]: 220 x 260 x120
VPC mass interconnect solution	8 slots (one for YAV90MMU + 7)
Platform control panel	Two pushbuttons EPO
On/Off / Power requirements	85 … 265 V_{AC}, 260W IEC Inlet plug with switch and protection fuse and 2x IEC Outputs 24V_{DC} 100W Power Supply
Platform security management (Advanced and Plus)	Emergency Stop Function implemented, with pushbutton, safety relay and two contactors (EN 954-1, EN ISO 13849-1) Lid-Open Function implemented
TFT (Advanced and Plus)	17" VGA Monitor
Keyboard + mouse (Advanced and Plus)	Yes, Folding Keyboard EU layout with trackball kit (Magnetic lock).
Included YAV Modules	YAV90MMU: 4 3/4 digits true RMS Ethernet to CAN gateway multiplexed measurement unit

The 6TL-08 is ideal for	ISP	Combine with YAV90ISP and Algocraft WriteNow Programmer
	Boundary Scan	Combine with YAV90JTAG, YAV90JTAH and JTAG Technologies
	Functional Test	Combine with YAV90CIN, YAV904X8 and PXI Chassis (6TL-08 Plus)
In the following environments		R+D, Prototyping and Pre-series Quality Control, incoming inspection Production, low to mid sized production badges

As any *fastATE* ®Technology base platform, the 6TL08 features:

- 6TL **YAV** Modules compatibility. In particular, best fit with: YAV90CIN / YAV904X8 / YAV9JTAG / YAV9JTAG / YAV90ISP
- PXI chassis direct integration
- Reliable mass interconnect interface (VPC 90 series compatible)
- Short delivery time

	Basic	**Advanced**	**Plus**	**Options**		
Controller	**YAV90MMU**	**IPC embedded**	**PXI embedded**			
	The sequencer is the included YAV90MMU. The test will be programmed through MSExcel.	Mini-ITX Computer System Intel Core 2 Duo. Win XP. Expansion Slot; Audio sockets. • 4 ports USB • 2 ports OS/2 • 1 port COM • 1 Port Parallel • 1 Port RJ45 (LAN)	NI PXIe-8108 Core 2 Duo 2.53 GHz Controller, Win 7.	Exchangeable Fixture kit for 250x337 mm Max.PCB. Probes plate, moving plate and pusher's plate, centering columns and 8 slots ITA for VPC 90 series modules	Platform status beacon (three lights +buzzer)	CAN bus Man Machine Interface (MMI) with Test Step display and navigator
PXI Chassis	No	No	NI PXIe-1071, 4-Slot 3U PXI Express Chassis			
PN	**H71000800**	**H710008NA**	**H710008NP**	**AA413**	**H78001000**	**800808K**

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