

## Enhance Your Instrument Investment

6TL racks are specifically designed for 6TL's test hardware, meaning that the racks include the pre-wiring for YAV modules behind the receiver. But 6TL racks will also be ready to accommodate non-6TL equipment, making them suitable for the customer of a mixed instrument environment.

Three types of rack are offered to fulfill any test system needs: Benchtop rack, Off-line sit down, and Off-Line stand-up.

## 6TL's core business

6TL's core business is to help test engineering groups to create their standard test platform, so that it results in a real modular and scalable test system. We can do it because we use the FastATE technology: Our engineers will select, together with customer's team, the 6TL Base test platform that better fits the scheduled production needs. The combination of the Base test platform with the 6TL modules (YAV modules, 19" rack modules,...), together with the needed third party instrumentation (rack & stack or PXI), will result in a top class standard and modular ATE, that 6TL will be able to replicate as many times as desired, always keeping each cable and bolt as it was specified.

## The value of 6TL FastATE Off-Line Base Test Platforms

6TL Off-Line base test platforms have been designed and engineered to save time and money for ATE integrators:

- Fully assembled rack**  
 Customers receive 6TL racks fully assembled and ready for equipment installation. Options ordered will be integrated from factory, so that the Off-Line platform will be shipped, and will be ready to be used by the integrator straight away.
- Cable management**  
 6TL Off-Line base test platforms, feature cable ducts for the internal proper distribution of cables. Added space in the rear doors will help for cabling purposes, and will also enhance air flow.
- Manage Power Requirements thanks to MMI and PDUs**  
 The Power of the Off-Line base test platform is composed of an UPS and the Man Machine Interface & Power Manager system from 6TL (MMI). Both pieces of equipment are supplied

by default with each 6TL Off-Line base test platform. Mains voltage option must be specified from order (110 V or 220 V). The master switch of the Base test platform is part of the MMI, and is conveniently located on the front of the rack, providing easy access to turn the power on and off to the Power Distribution Unit (PDU) outlets, that should be ordered separately.

- Ventilation**  
 System-generated heat is removed by natural convection through a ventilation path incorporated in the top sides of the racks. For greater heat dissipation, a vented rear door (Option) can also help reducing the heat captured within the rack.
- Shelves**  
 Sliding shelves and stationary shelves, to support instrumentation that does not have rack mount kits, are available for all 6TL base test platforms.
- Free EIA Units**  
 Vertical space within test racks is measured in industry standard EIA units, where 1 EIA unit equals 44,5mm (1,75 inches). The number of free EIA units of the base test platform is necessary to understand whether all the instrumentation selected for the test application will fit inside the rack. 6TL offers a range of base test platforms with different free EIA rack units, from 7 EIA units in the benchtop 6TL10 to 43 EIA Units in the full rack 6TL28. All 6TL's base test platforms are delivered with filler panels to cover the free EIA units, and additional filler panels are available under request (1, 2, 3, 4 and 6 EIA Units).
- Package**  
 Designed for easy unloading from the pallet.
- Packaging re-use**  
 Packaging from 6TL is designed to be reused (either wood or hard corrugated paper).



## Ordering Information

| P/N               | Description  |
|-------------------|--|
| <b>H71001000</b>  | 6TL-10 Bench Top Test Base Platform                            |
| <b>H71001900</b>  | 6TL-19 Off-Line Half Rack Base Test Platform                   |
| <b>H71002200</b>  | 6TL-22 Off-Line Test Platform                                  |
| <b>H71002300</b>  | 6TL-23 Off-Line Rack type 15U Base Test Platform               |
| <b>H710023T00</b> | 6TL-23 Off-Line Rack type 15U Base Test Platform with receiver |
| <b>H71002800</b>  | 6TL-28 Off-Line Rack type 40U Base Test Platform               |
| <b>H710028T00</b> | 6TL-28 Off-Line Rack type 40U Base Test Platform with receiver |
| <b>H71002900</b>  | 6TL-29 Off-Line semi automatic Base Test Platform              |



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- ESD Solutions**
- Cleanroom Products**
- Soldering Equipment**
- Test & Measurement**



**Your project always on time, on budget and fulfilling the agreed specification**  
Close collaboration between 6TL and production team is important when starting to fit the FastATE concept into the customer process



**Spare parts**  
Available spare part kits according to agreed 6TL warranty terms.



**Repair Service**  
We are able to repair very fast any damaged part.



**Product installation**  
6TL engineers may be available for installation of systems according to our guidelines and standards to secure the Start of Production date.



**On-Site support**  
Whenever needed, 6TL technical staff is ready to help so that your line downtime is minimized.



**Maintenance...**  
Preventive maintenance plans

fastATE<sup>®</sup> Technology



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# Off-Line Base Test Platforms



## 6TL OFF-Line Base Test Platforms

6TL offers a variety of Off-Line Base Test Platforms in the form of modular 19-inch EIA rack cabinets, with unique design features that make them ideal to meet the needs of Automatic Test Equipment integrators. A selection of options and accessories will provide flexibility to meet the vast majority of racking applications in the field of ATE.

### Standard Off-Line Base test platform includes:

- Solid base
- Leveling screws
- Heavy duty casters (Diameter 30mm)
- Uninterrupted Power Supply 1000VA (Customer should specify 110V or 220V when ordering)
- Man Machine Interface and Power Management unit (MMI)
- Virginia Panel Receiver (except 6TL 23 and 6TL 28)
- Ventilation
- Doors with lock
- Easy to remove side panels, which can be lifted off
- Combination of 6TL color and RAL 7035 gray



| Feature List                            |   | 6TL10                            | 6TL19                            | 6TL22                            | 6TL23T                           | 6TL23   | 6TL28T                           | 6TL28                            | 6TL29                            |
|---|---|----------------------------------|----------------------------------|----------------------------------|----------------------------------|---|----------------------------------|----------------------------------|----------------------------------|
| General                                 | <b>Power Requirements</b>   | 220-230 V <sub>AC</sub> 50-60 Hz | 220-230 V <sub>AC</sub> 50-60 Hz | 220-230 V <sub>AC</sub> 50-60 Hz | 220-230 V <sub>AC</sub> 50-60 Hz | 220-230 V <sub>AC</sub> 50-60 Hz  | 220-230 V <sub>AC</sub> 50-60 Hz | 220-230 V <sub>AC</sub> 50-60 Hz | 220-230 V <sub>AC</sub> 50-60 Hz |
|   | <b>Weight</b>   | 25 Kg                            | 130 Kg                           | 155 Kg                           | 170 Kg                           | 160 Kg  | 200 Kg                           | 200 Kg                           | 350 Kg                           |
| Mechanic Infrastructure                 | <b>Dimensions (WxDxH)</b>   | 566 x 759 x 599 mm               | 566 x 800 x 813mm                | 566 x 824 x 1372 mm              | 566x1391x1372 mm                 | 566x800x1372 mm   | 596x1200x2113 mm                 | 596x753x2113 mm                  | 596x1327x2046 mm                 |
|   | <b>Packaging</b>  | P/N 695108 67x86x70              | P/N AA540 106x68x150; 40Kg       | P/N AA540 106x68x150; 40Kg       | P/N AF287 106x68x150; 40Kg       | P/N AF287 106x68x150; 40Kg  | P/N 695092 151x96x236; 113Kg     | P/N 695092 151x96x236; 113Kg     | P/N 695092 151x96x236; 113Kg     |
| Safety Infrastructure                   | <b>Rack type</b>  | Benchtop<br>sit-down             | Half rack<br>stand-up            | Half rack + top<br>stand-up      | Full rack<br>sit-down            | Full rack<br>sit-down   | Full rack<br>stand-up            | Full rack<br>stand-up            | Semi-automated rack<br>stand-up  |
|   | <b>19" Free Rack space</b>  | 7                                | 11                               | 7/11                             | 8/15                             | 8/15  | 38                               | 43                               | 29                               |
| Power Infrastructure                    | <b>Rack depth</b>   | 334 mm                           | 530 mm                           | 334mm / 530mm                    | 530 mm                           | 530 mm  | 560 mm                           | 560 mm                           | 560/1040 mm                      |
|   | <b>Ventilation</b>  | 2x Extractor Fans                | 2x Extractor Fans                | 2x Extractor Fans                | 2x Extractor Fans                | 2x Extractor Fans   | 2x Extractor Fans                | 2x Extractor Fans                | 2x Extractor Fans                |
| Fixture & Mass Interconnect             | <b>Cable Management</b>   |                                  |                                  |                                  |                                  | Cable ducts so that instrumentation wiring is properly organized. Easy Access |                                  |                                  |                                  |
|   | <b>Casters</b>  | No                               | 30mm, 2 lockable                 | 30mm, 2 lockable                 | 30mm, 2 lockable                 | 30mm, 2 lockable  | 30mm, 2 lockable                 | 30mm, 2 lockable                 | 30mm, 2 lockable                 |
| Emergency Infrastructure                | <b>Emergency power off</b>  | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301  | Yes, H73000700                   | Yes, H73000700                   | Yes, H73000700                   |
|   | <b>Circuit Protection</b>   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301  | Yes, H73000700                   | Yes, H73000700                   | Yes, H73000700                   |
| Power Infrastructure                    | <b>Temperature monitoring</b>   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301                   | Yes, H73000301  | Yes, H73000700                   | Yes, H73000700                   | Yes, H73000700                   |
|   | <b>Power Distribution Units</b>   | Option                           | Option                           | Option                           | Option                           | Option  | Option                           | Option                           | Option                           |
| Power Infrastructure                    | <b>UPS</b>  | 1000 VA                          | 1000 VA                          | 1000 VA                          | 1000 VA                          | 1000 VA   | 1000 VA                          | 1000 VA                          | 1000 VA                          |
|   | <b>Receiver type / Capacity</b>   | S6 / 6 slots                     | S6 / 6 slots or G12 / 12 slots   | G12 / 12 slots                   | G12 / 12 slots or G12/18 slots   | G2/ G10/ iCon   | G12X / 18 slots                  | G2/ G10/ iCon                    | G12X / 18 slots                  |
| Power Infrastructure                    | <b>Fixture type</b>   | Manual Operated fixture          | Manual Operated fixture          | Manual Operated fixture          | Manual Operated fixture          | Cable Harness Fixture   | Manual Operated fixture          | Cable Harness Fixture            | 6TL Servo operated Fixture       |
|   | <b>Options</b>  |                                  |                                  |                                  |                                  |   |                                  |                                  |                                  |
| Power Management Unit (MMU)             | <b>Power Distribution Unit (PDU)</b>  | H730006xS                        | ✓                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | ✓                                |
|   | <b>19" Power Management and MMI unit, Lite version</b>                      | H73000301                        | ✓                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | -                                |
| Beacon                                  | <b>CAN bus Power Management &amp; MMI module, 19 inch 3U, Monophase 15A</b> | H73000700                        | -                                | -                                | -                                | -   | -                                | -                                | ✓                                |
|   | <b>CAN bus controller Three color light tower</b>                           | H78001000                        | ✓                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | ✓                                |
| Temperature, Pressure & Humidity Sensor | <b>CAN Bus °C, %RH &amp; hPa Transmitter</b>                                | AK087                            | ✓                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | ✓                                |
|   | <b>6-Slots S6 VPC Receiver</b>  | 310122100                        | ✓                                | ✓                                | ✓                                | -   | -                                | -                                | -                                |
| Receiver VPC                            | <b>12-Slots G12 VPC Receiver</b>  | 310104325                        | -                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | ✓                                |
|   | <b>18-Slots G12X VPC Receiver</b>   | 310104386                        | -                                | -                                | -                                | -   | ✓                                | ✓                                | ✓                                |
| Platform Lifter                         | <b>Adjustable working high position</b>                                     | H71006600                        | -                                | ✓                                | ✓                                | ✓   | -                                | -                                | -                                |
|   | <b>Working area lifter with flipper servopusher</b>                         | H71006900                        | -                                | -                                | -                                | -   | -                                | -                                | ✓                                |
| Monitor & Keyboard                      | <b>Monitor and Keyboard with adjustable side support</b>                    | H71002190                        | -                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | -                                |
|   | <b>Monitor and Keyboard in drawer kit</b>                                   | H71007300                        | -                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | ✓                                |
| Controller (IPC)                        | <b>Industrial PC 19" 4U, i7, 16GB RAM, 500GB SSD</b>                        | MMIPC08                          | -                                | ✓                                | ✓                                | ✓   | ✓                                | ✓                                | ✓                                |