



# 6TL29

## Automated test platform



Elevate precision in  
electronics testing quality

*fast*ATE platforms  
are the perfect base  
to develop efficient solutions

The 6TL29 test platform is designed for a quick and efficient test of both PCBs and small devices. Completely ergonomic for the operator, this platform can perform various test types and offers enough rack space to integrate all the instrumentation required.

The 6TL29 has been designed with FastATE® technology by 6TL, so it is fully modular and scalable, providing the user company with a powerful and reliable test platform with minimal investment. Moreover, its compact construction makes it easy to integrate into any production line.

With the 6TL29, the 6TL engineering team has designed an even more precise platform, maximizing test automation for processes that need user intervention.

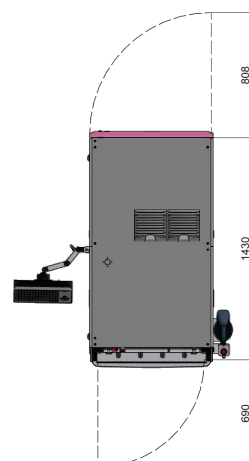
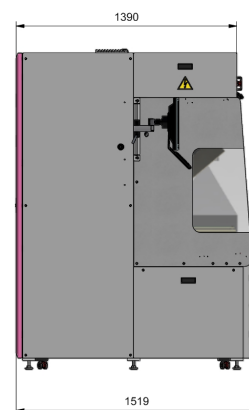
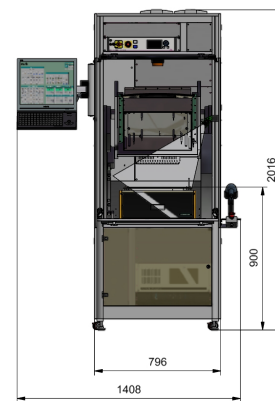
The incorporation of new sensors increases accuracy in the placement and detection of the product to be tested, as well as the execution of the test itself. They also add maximum security for the user when handling the product and developing the test process.

The 6TL29 electronic test platform offers a unique capability to seamlessly integrate in-line machine fixtures, effectively transforming the equipment into a debugging station. This innovative feature enables the uninterrupted operation of in-line machines, eliminating production downtime.

By facilitating compatibility between fixtures, the 6TL29 ensures that any troubleshooting or testing can be conducted without causing disruptions to the production process, thereby maximizing efficiency and productivity.

- FastATE® technology: modular, scalable and top flexible approach; minimum wiring and easy maintenance. LabVIEW drivers
- Ideal for low to high electronic production batches with 100% test station uptime
- Suitable for RF test, ICT, ISP and FCT
- Automatic fixture engagement
- Multi-stage pressure height. 3 configurable contactation levels
- High accuracy multi-stage servo-controlled press system, up to 4.500N
- 25-module high quality mass interconnect receiver, Virginia Panel 9025
- 47U 19" rack free space for instruments integration (PXI, ICT core, loads, power supplies...)
- Easy and fast fixture management: exchange time <20s, automatic identification for automatic software selection
- High flexibility: same fixture kit as in the 6TL36 in-line test handler
- Phi6 Dispatcher Interface
- CE compliant, ESD safe
- IA safety and DUT positioning
- Options: light tower, cobot DUT loading/unloading, data matrix kit...

		6TL29	
Features list		AQ377	FQ377
General	Power requirements	1200 VA (120...240 VAC), Single Phase, 50/60 Hz	
	Weight	410 Kg	
	Dimensions (WxDxH)	796 x 1519 x 2016 mm	
Pushing	Press Unit	Servo actuated	Mechanical pushing fixtures
	Technology	Gearbox flipper push down	
	Press force	450 Kg, 2250 TPs	
Fixture	In-line fixture	Automatic auto-engagement	
	Mass Interface connector	25 slots receiver	
	Number of fixture insertions	>20.000	
	Fixture exchange time	<10 s	
	Fixture compatibility	For non-RF fixtures with off-line systems	
	Board detection sensor	Yes	
DUT	PCB size (min - max)	50" x 50" - 400 x 388 mm (340 x 350 mm for RF fixture)	
	PCB thickness	1...3 mm	
	Top and bottom contact	Yes	
	Max height components	Top: 90 mm Bottom: 90 mm	
Integr.	19" free rack space	47 U	
	Receiver capacity	25 slots in ITA fixture and 4 slots in the pusher's plate	

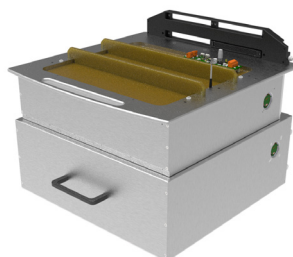


Operation	Controller	Industrial computer
	Test rack power management	Yes, including temperature and power consumption
	Operator Interface HMI	TFT monitor - adjustable side mounting kit
	Standards	CE

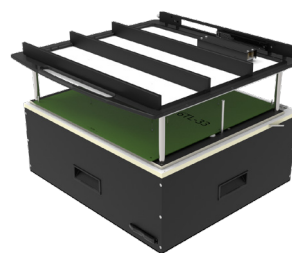
	P/N	Description
Test platform	AQ377	6TL29 test platform for in-line fixtures
	FQ377	6TL29 test platform for stand-alone fixtures
Fixturing In-line compatible	AN133	RF fixture kit from 700 Mhz to 6GHz 9025 ITA
	AN134	Set of plates for AN133 RF fixture kit. 340 x 350 x 090
	AT799	Fixture 6TL36 in-line 400 x 388 x 090 9025 ITA
	EB773	Thermal fixture kit 340 x 350 x 090 9025 ITA



AN133



EB773



AT799