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LEDs
ATE

6TL

Sistel Group

From single LED to Lighting Units

*fast*ATE®
Technology

for LED bulbs and LED modules

Today, LEDs are quickly becoming very relevant in terms of lighting systems across various industries, and they may well be what the light bulb was several years ago. The needs for testing products with LEDs are particular, and 6TL has created a platform to fulfill the needs for industrial testing of LED bulbs or LED modules.

Find below the main features of the 6TL-19 SSL, as well as the different versions: Basic, Advanced and Universal.

- Electric test: Voltage Isolation, Current consumption
- Optic test: LED Color and Brightness
- Thermal test: Interface to heatsink efficiency
- Tightness up to 1 Atm: Microlikage measurement
- DUT Up to 250 mm diameter
- Ergonomic platform: Servo-adjustment of working surface height
- Easy exchange fixtures for different products
- Electronic report, labels printer, Code reader
- Control by LabView, TestStand and Vision Builder.

Basic - The tester performs an Electric and Optic test to the DUT.

Advanced - In addition to the features of the Basic version, an Infrarred Camera and the software for automatic and fast thermal image analizys and thermal interface defects detection is included.

Universal - In addition to the Advanced version options, a Micro Leackage detector to test bulbs that must operate under water or under high humidity conditions is included. .

Common Options to all the versions: Label printer, Bar code/ Data matrix reader, Light beacon, High Voltage Power supply and kit for Hipot test

Main Features

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Platform Operation	Off-Line
Type	Compact, Stand-alone, with electrically adjustable working surface
w*d*h [mm]	600 x 830 x 2000
Weight [Kg]	188
Press unit	Included; Bi-manual operation; 5,000N maximum force
Fixturing	Low cost exchangeable cassette type and electric connector
Maximum probing area / PCB Size	250 mm diameter
Free space for instruments, loads or power supplies	19" wide, 3 U high x 400 mm free room
Platform control panel	Two pushbuttons for bi-manual test cycle start Up/Down working surface adjustment Power main switch Arm Pushbutton PASS / FAIL Indicators Pressure adjustmen knob and indicator Leakage testing device inlet prssure setting knob and indicator
On/Off / Power requirements	85 … 265 V_{AC}, 260W
Platform security management	Emergency Stop Function, with pushbutton, safety relay and two contactors (EN 954-1, EN ISO 13849-1) Lid-Open
TFT panel	17" VGA 16/9 Monitor (Implemented by default in all models except BASIC)
Keyboard + mouse	Yes, Keyboard EU layout with trackball kit (Magnetic lock).
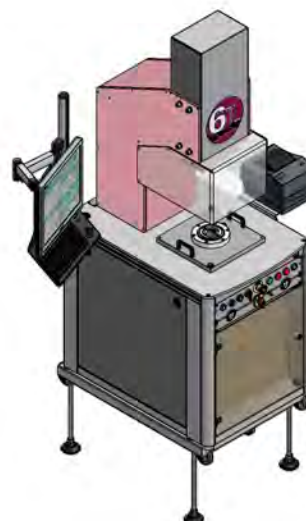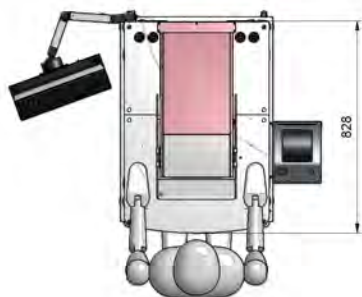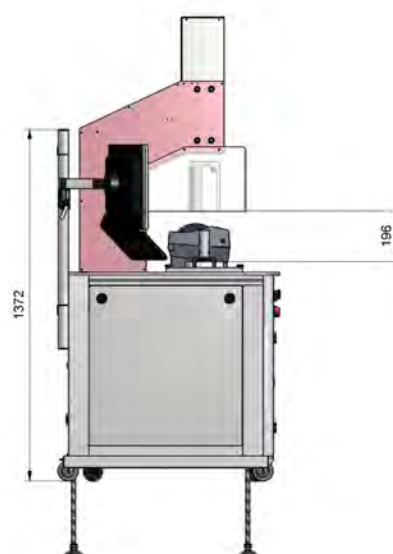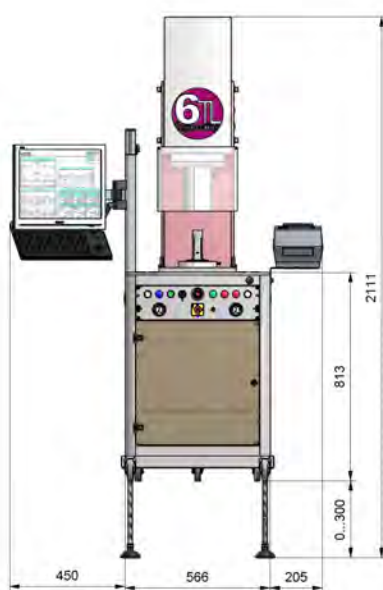
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6TL's Base Test Platforms Product Range:

6TL-10   6TL-19   6TL-22   6TL-29   6TL-28   6TL-33 (2 units)
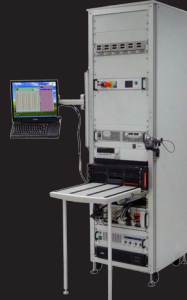
Austria, Belgium, Brazil,
Bulgaria, Chile, China,
Czech Republic, Denmark,
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Ireland, Italy, Japan, Korea,
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For the BeNeLux countries contact:
Romex B.V.
Remmerden 5
3911 TZ Rhenen, Netherlands.
Phone: +31-(0)317298787
Fax: +31-(0)317398780
E-mail: info@romex.nl
Webshop: http://www.romex.nl

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