



Euroelectron 19" precision Servo Pusher System

Description

- Servo actuated autonomous module for PCB pushing in test systems, to be integrated in 19" standard rack. 4U height.
- Three stroke levels: Hipot, Functional and ICT
- Up to 140Kg Force (600 testing probes)
- Monophasic power supply 230VAC
- CAN bus control. Software Virtual Panel available
- Precision linear guides. 120mm stroke
- Maximum PCB components height: 100mm
- Limit switches for mechanical security operation
- Operator protection thanks to limit switches and security relays
- Precision mechanical adjustment to set the fixture height
- Build in electrical cabinet and servocontroller
- Two "pushers-plate carrier" models available, depending on maximum PCB area: 450x450 and 500x650.

Applications

- Electronic boards test systems



The precision servo pusher sub-system H7100 6000 is the recommended choice when testing an electronic board using ICT, functional and HiPot technologies all together.

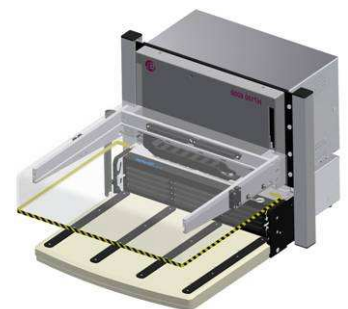
This unit is an independent sub-system prepared to be integrated into a 19" standard rack. All needed elements are built in the device (drive, control, security), making it easy to integrate it into standardized testing platforms.

The unit features a servomotor with numeric control coupled to a low backlash precision gearbox and two linear guides. The interface with the test system is very simple: 230Vac power line, a 4-wire CAN bus connector and auxiliary 24VDC and manual inputs.

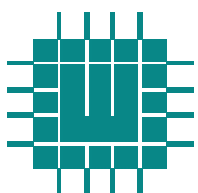
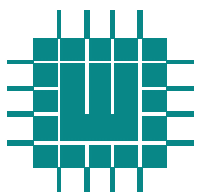
In test sequences where High Voltage test is needed, the servopusher movement makes long probes contact the PCB to test HiPOT. For functional test, the pushers plate travels 4mm more, contacting all FCT probes. When ICT is required, at low voltage, the travel is maximum, contacting ICT probes.

A virtual operation panel makes it easy for the operator to debug and manually operate the module from the PC.

The pushers plate holder can be exchanged for testing big PCBs, up to 650x500mm. Standard pushers plate holder is 450x450mm effective area.



Servo Pusher installed.





Euroelectron

Machines en Produkten voor de Printindustrie
 Phone: (31)-(0)30-2283607 Fax: (31)-(0)30-2291074
 E-Mail : info@euroelectron.com
 Webpage: <http://www.euroelectron.com>

Euroelectron BV
 Utrechthaven 11C
 3433 PN, Nieuwegein, The Netherlands
 Phone: +31-30-2283607
 Fax: +31-30-2291074
 E-mail: Info@euroelectron.com

Ordering information

Description	P/N
Servo pusher 450 mm	H7100 6000
Pushers plate 450 mm	H7100 6001
Servo pusher 650 mm	H7100 6010
Pushers plate 650 mm	H7100 6011

Power requirements

Operating voltage	230V50-60
Power requirements	400 W

General specifications

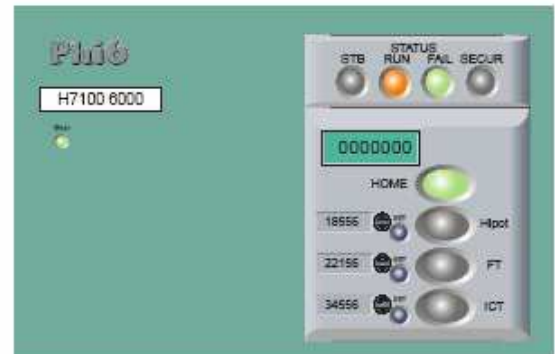
Max. Force	1200 N
Max. travel	120 mm
Bumber of travel levels	3
Level setting	Software programming
Y axis mechanical offset	Mechanical microadjustment
Weight	41 kg
Travel time to level	1,5 s

Environmental conditions

Operation temperature	-10...+50 °C no ice	Max. vibration	20 Gs
Humidity	5 ... 85%	Max. Shock	50 Gs

Integration of servopusher in 6tl-22 platform

Panel operative virtual



Meer informatie via Euroelectron BV,
 Utrechthaven 11C, 3433PN, Nieuwegein, Nederland.
 Telefoon, 31-(0)30-2283607,
 e-mail info@euroelectron.com of via de website www.euroelectron.com.

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