State-of-the-art Device Programming

Product Selection Guide

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An Introduction to Stag

Stag is the World's leading manufacturer of logic and memory device programmers.

The product range provides a comprehensive selection of Memory and Logic programmers designed to satisfy the requirements and demands of the production and research environments.

All products have approval from the semi-conductor manufacturers and incorporate device libraries which are regularly being upgraded to include the latest devices.

This ensures that when you buy a Stag product, it will give you years of good service for the lowest possible cost of ownership.

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PP38- Low-cost MOS Programmer

The PP38 provides the ideal, low-cost solution for users who require an easy to use, menu-driven, dedicated EPROM and EEPROM programmer. The range of devices supported extends from 2716 (2K byte) up to 27512/3 (64K byte).

For users whose requirements exceed the need to program EPROMs and EEPROMs beyond 27512, there is the PP39.

- Programs EPROMs and EEPROMs from 2716 to 27512.
- 512K bit RAM expandable to 1M bit.
- RS232C interface port for communication with computers.
- 11 popular I/O formats supported.
- 16 character display and full hex keypad.

PP39- Portable MOS Programmer

The PP39 with its 39M101 EPROM/EEPROM module is capable of programming a wide range of MOS devices including EPROMs and EEPROMs in 24, 28, 32 and 40-pin DIP packages including the latest Mbit devices.

An optional 39M200 microcontroller module enables the programming of popular single chip microcomputers.

Both modules are software upgradable to provide support for future devices

- RAM expandable to 4M bits.
- RS232C port for remote control and data transmission.
- 11 popular I/O formats.

PP40/41- Gang Programmers

The PP40 gang copier is ideal for production programming. It is capable of gang copying MOS PROMs, EPROMs and EEPROMs in 24, 28, 32 and 40-pin packages.

Electronic identifiers and intelligent programming algorithms are utilised to provide true high speed programming.

The PP41 gang programmer combines all of the PP40's features with a 2M bit RAM, full editor and dual RS232C interface ports.

- High speed intelligent gang programming.
- Durable and reliable – ideal for the production environment.

PP42- Gang/Set Programmer

The PP42 is a powerful gang/set programmer capable of gang or set programming devices in 8, 16 or 32-bit sets simultaneously. Other advanced features include twin RS232C interfaces, 2M bit RAM (expandable to 16M bits) and full editing facilities.

- Programs MOS PROMs, EPROMs and EEPROMs in 24, 28, 32 and 40-pin DIP packages.
- Full editor on-board, operable in remote or stand alone modes.
- Electronic identifiers supported.
- Most popular I/O formats supported.

SE15 and SE100/T-U.V. Erasers

The SE15 can erase up to 15 devices – suitable for the service department or development environment.

The SE100 eraser is for bulk erasing and has the capacity for up to 104 devices or complete circuit boards.

- Both erasers feature full safety interlocks.
- Pre-settable timers provide control over erasure time.
- SE100T has an elapsed time indicator to show tube replacement intervals.

For further details (44) (707) 332148

ZL30/30A - Logic Programmer

These logic programmers are designed to satisfy every PLD requirement from initial design to high speed production programming. Features include super-fast programming speeds and a powerful editor.

The ZL30A has the facility to accept expansion adaptors to enable programming of PLCC equivalents of DIP packages and other more complex devices.

- Menu driven for ease of operation.
- Membrane keypad for data entry, editing and programming functions.
- 16 character alphanumeric display.
- IEEE-488, RS232C and handler interface ports.
- Support provided for large DIP and PLCC packages.
- Software and hardware upgradable to provide future device support.

ZL33—Gang Logic Programmer

The world's first gang programmer for MOS PLDs. High volume throughput is achieved without the need to use a handler.

Eight devices in either 20 or 24-pin DIP packages can be simultaneously programmed with data from a master device or downloaded via one of the RS232C interface ports.

The ZL33 supports a wide range of MOS PLDs including EPLDs and GAL*s.

Complete stand-alone operation is provided, or full remote control from a computer.

- Fully menu driven for ease of operation.
- Membrane keypad and 16 character alphanumeric display.
- Dual RS232C interface ports for remote control and data transfer.
- Software control and modular construction allow for cost effective future upgrades.

PPZ—the Universal Programmer

The PPZ is a modular programming system which allows the user to program all types of device. Capable of programming devices in every known technology including: NMOS; HMOS; CMOS; Fusible Link; AIM and DEAP bipolar; and Isoplanar-Z.

The PPZ mainframe contains many powerful features including: a 2M bit RAM, a CRT display, a full travel Hex keyboard (with logic entry keys), dedicated function keys and four separate interface ports.

Zm2000—Universal PROM Module

Programs a comprehensive range of devices in all PROM technologies which includes bipolar PROM, CMOS PROM, EPROM and EEPROM.

Zm2200—Logic Module

Supports a wide range of Programmable Logic Devices including PAL*s, IFLs, EPLDs and GAL*s in 20, 24 and 28-pin DIP packages. It includes a dedicated ZIF socket to provide long-term, EPROM storage of a logic device's fuse pattern, test vectors and source code.

Zm2300—Super PLD Module

Designed to support MegaPAL*s and large EPLDs. Sockets for all popular package styles are provided including DIP, LCC, PLCC and PGA. High speed vector testing is provided to check on device functionality. Supports JEDEC JC42-1 I/O format.

Zm2500—MOS Module (including Micros)

Supports a vast range of MOS devices comprising EPROMs up to and beyond 1M bit, EEPROMs and single chip micros in 24, 28 and 40-pin packages.

Zm2800—Gang/Set Module

This module provides gang and set programming of EPROMs and EEPROMs. The module can be configured to program up to eight 512K devices simultaneously in 8, 16 or 32 bit mode.

Zm29xx—Custom Module

To program memory devices fitted to a circuit board, a custom programming module is available for the PPZ. The module can be configured to fit the user's application for 'on-board' programming.

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Software Products and Development Tools

Stag Com* 1 and 2 Communications Packages

The Stag Com 1 and 2 software communication packages provide direct operational control of Stag's programmers from an IBM PC or compatible.

Comprehensive colour menus lead the user through every step of device programming, from loading data to post-programming checks such as vector testing for logic devices.

All menus are user-friendly and most functions can be executed by a single key-stroke.

Statistics are compiled which can provide a complete Yield Analysis on request.

- Easy remote control for Stag programmers from a PC.
- Completely menu-driven.
- Colour enhanced.
- Automatic recall of operating parameters.
- File manager.
- All popular I/O formats supported.

Versatile Software Development System — VSDS

The VSDS (Versatile Software Development System) transforms your PC into a powerful development system supporting more than 50 different microprocessors and microcontrollers. VSDS includes a PC half card, an EPROM emulator and a suite of software tools including a meta macro assembler for over 50 different micros, a linker, a loader, a make facility, a dual window editor and a labelling disassembler capable of converting machine code back into labelled source code modules.

No other PC based development system provides so many features in one package. From preparing source code, through assembly; linking, loading and emulating EPROMs, VSDS provides the answer.

E100 — EPROM Emulator

The E100 is designed to emulate EPROMs from 16K bits to 512K bits in size, including the '87C' series of devices. It can be programmed and verified in 10 seconds – a significant advantage over EPROMs when developing and testing firmware.

68MR00 — Micro Reader

The 68MR00 allows information stored in a Motorola 68705 U3 or R3 microcontroller to be read by either the Stag PP39 or Zm2500.
This enables the data to be modified and reprogrammed into another 68705.

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