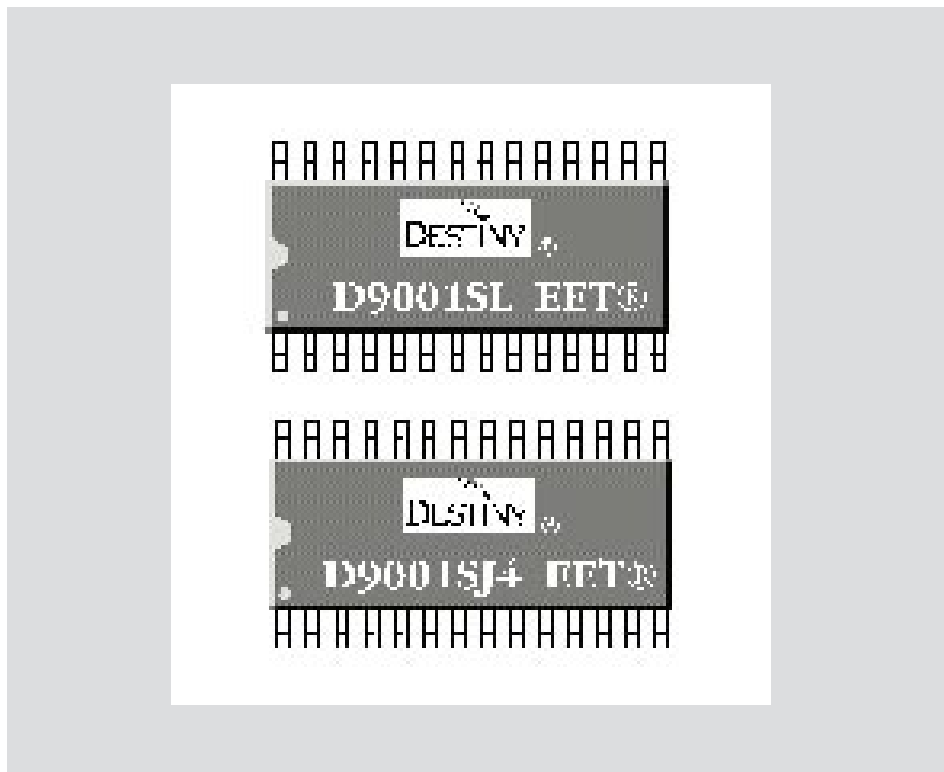# Edge Enhancement ASICs with TonrSavR*

- Detects and Smoothes Jagged Edges
- Various Subdot Selections (8, 10, 12, or 16 Subdots)
- Programmable Modulation Registers
- TonrSavR, which Supports Three Toner Saving Modes
- D9001SL Supports A4- and Letter-Size Paper For 300 dpi Laser Engines
- D9001SJ4 Supports A3-, A4-, and Letter-Size Paper For 300/400/600 dpi Laser Engines
- Adaptive Mode For 100/200, 200/400, and 300/600 dpi Print Job Switching (SL/SJ4 only)
- CMOS Technology
- 28-Pin PDIP (Pin-to-Pin Compatible With D9001L/B) and 28-Pin SOJ

The D9001SL/SJ4 are image enhancement ASICs that, through the use of DESTINY's Edge Enhancement Technology (EET*), detect and smooth jagged edges inherently found in laser printer output. This smoothing is achieved by boosting the resolution by several times that of un-enhanced printing, dividing a full dot (pixel) into 8, 10, 12, or 16 subdots, and all without the need for any external software support. A U.S. patent has been granted for techniques and intelligent properties used.

In addition to smoothing jagged edges, the D9001SL/SJ4 can extend the life of laser printer toner cartridges through the use of DESTINY's new TonrSavR feature. Demonstrating unmatched versatility, TonrSavR supports three toner saving modes: light, medium, and dark. Like EET, TonrSavR provides enhancement without any performance degradation.

A wide variety of popular paper sizes are supported. The D9001SL can support A4- and Letter-size paper for 300 dpi laser engines and below. The D9001SJ4 can support A3-, A4-, and Letter-size paper for 600 dpi laser engines and below.

Unique to the D9001SJ4 is the ability to implement a 300/600 dpi switchable print job based on a 600 dpi laser printer engine. This adaptive mode duplicates and smoothes 300 dpi image data on the 600 dpi engines directly.

Since the D9001SL/SJ4 work with video image data, they are independent of the laser printer controller CPU and emulation software, supporting most laser engines with little design-in effort required.

PROCESSORS SUPPORTED:
i960® Processor Family

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