Pigments and pixels can both arrest an instant for eternity — but, their comparison fails after that. So too, digital image processing and computer graphics. Some may claim to give you both in the same system, but with today’s technology, it can’t be done well. Either, it’s a digital image processing system or a graphics system. At COMTAL, we provide certain graphics capabilities, but not at the expense of the image processing architecture.

Also, image processing is not the same as image display. Some “image processors” are little more than a refresh memory pumping data through a display buffer. And if it’s a software-based system, forget real-time, interactive operations.

COMTAL is the expert in digital image processing systems — stand-alone, real-time, interactive systems that have no equal.

**Real real-time.**

When we describe image processing operations as real-time, we mean it. Our real-time functions execute in 1/30 of a second! Even our “near” real-time is only 2/30 of a second. To be a truly interactive system, it must run at 30 frames a second or faster — and we do!

**More pixel power.**

Since the inception of digital image processing, COMTAL has set the pace. We continue to offer the most sophisticated systems commercially available. We offer standard systems at unrivaled prices. We offer features that no one else can offer: ■ **Continuous Zoom** — image magnification from 1x to 512x in 2/30 of a second; various interpolation techniques available. ■ **Virtual Refresh Memory** — a Winchester disk-based system that stores up to 300 megabytes — eliminates the need for large RAM. ■ **Full-Resolution Graphic Planes** — 512x or 1024x graphic planes can be manipulated in 1/30 of a second. ■ **Image Combination** — two system that is standard... a built-in controller for memory... independent, real-time scroll and zoom of images... real-time arithmetic functions... real-time convolution with real-time coefficient updates... real-time classifier for four bands of multispectral data... real-time histogram... and many more advanced features.

**More choices.**

No one gives you the choices that COMTAL does. From standard systems to advanced engineered systems, you can be confident that COMTAL will meet your specific needs: (See Product/Feature Matrix)

**More Experience.**

No one has COMTAL’s ten years’ experience, and no one offers the level of support we do. We build state-of-the-art while others have it on their drawing boards. We support our systems with the full resources of 3M, a worldwide service organization, and a full on-site acceptance-testing procedure. It’s what you would expect from the innovative leader.

**Incomparables.**

Mona Lisa’s elusive smile defies comparison. It is quintessential art. In image processing, COMTAL is the state of the art. We invite your comparisons. But, measure for measure, we think you’ll judge us incomparable. COMTAL Corporation, a subsidiary of 3M, 505 West Woodbury Road, Altadena, CA 91001 Telephone (213) 797-1175.