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FOR IMMEDIATE RELEASE

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MIROS PARTNERS WITH SUN MICROSYSTEMS FEDERAL TO BRING FACE RECOGNITION TO CRIMINAL JUSTICE APPLICATIONS

Miros' TrueFace Personal ID Product Provides Added Security and Convenience to Comprehensive Access Solutions Offered by Sun Microsystems Federal

WELLESLEY, MA, October 19, 1995 --- Miros, Inc., developer and provider of software that automatically verifies a person's identity using their face, has announced its partnership with Sun Microsystems Federal, Inc. and its dedicated Criminal Justice Operation. This partnership allows Sun Microsystems Federal to offer Miros' TrueFace product to its customers as part of a comprehensive information systems solution for law enforcement, judicial and public safety applications.

"We are very pleased to add the Miros TrueFace product to our growing portfolio of applications specifically for criminal justice and public safety agencies worldwide. This unique face recognition application will have special appeal to a wide variety of both government and commercial end-users needing solutions for access and security control," said John Marselle, president of Sun Microsystems Federal, Inc.

"Beyond adding more security to personal ID applications, customers also want the process to be convenient and fast," said Michael Kuperstein, president and founder of Miros. "TrueFace offers, for the first time, truly hands-off, non-intrusive, fast access to these customers. We're pleased to be part of the Sun Microsystems Federal Criminal Justice team offering the best in secure access solutions to the criminal justice market."

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TrueFace Application Offers Identification as Well as Verification of ID

Miros' TrueFace face recognition product features two functionalities. It can verify that a person is who they claim to be by matching their face with a previous image. This takes about a second. TrueFace also can identify a person's face by searching an existing database for a match. This can be done at a rate of 200 faces per second on a desktop workstation.

High Degree of Accuracy and Convenience

TrueFace has been shown to correctly verify greater than 99 per cent of legitimate faces for applications such as entering secure buildings. It has the same degree of accuracy for catching frauds in applications requiring human back-up, such as verifying passports. Human back-up is used when an application requires exceptions to be handled. TrueFace provides this high level of accuracy while at the same time maximizing the convenience and speed of the security process.

Criminal Justice Applications

Sun Microsystems Federal Criminal Justice Operation will be offering the TrueFace product to its customers in law enforcement, judicial and public safety agencies at the federal, state, local and international level. TrueFace will be part of a complete, secure, distributed computing solution based on the Solaris software environment, networking, databases, and other applications. These comprehensive solutions will be offered for the entire range of criminal justice applications, including emergency services, court management, litigation support and jail management.

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TrueFace Based on Neural Networks Technology

Miros developed TrueFace from its proprietary technology in neural networks. Neural networks is a technology that mimics how the brain works. It learns from its own experience and does well in distinguishing patterns within various contexts like face images. Dr. Michael Kuperstein, president of Miros, developed the TrueFace product with chief scientist Dr. James Kottas.

Miros, Inc., is located in Wellesley, Massachusetts, and specializes in providing recognition-based software. It was founded in 1994 by Dr. Michael Kuperstein, an expert in neural networks from the Massachusetts Institute of Technology. Miros can be reached at 617-235-0330, or on the World Wide Web at htt://www.miros.com/biz/miros. For TrueFace sales information, call Gene Burnard at 508-624-9991.

Sun Microsystems Federal, Inc., headquartered in Vienna, Virginia, is a subsidiary of Sun Microsystems, Inc. A division of Sun Microsystems Computer Company (SMCC), Sun Federal's charter is to develop, deliver, and sustain markets for Sun products in governments worldwide.

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MIROS, INC. OFFERS EVALUATION COPY OF TrueFace, A NEW FACIAL VERIFICATION BIOMETRIC PRODUCT

Evaluation Version for $975

Wellesley, MA -- February 1, 1995 -- Miros, Inc., a developer and distributor of software products that use a person's face to automatically verify their identity, today announced an introductory, TrueFace evaluation license for $975. This price represents a 50% discount from the standard volume price.

Dr. Michael Kuperstein, CEO and Chief Technologist at Miros, commented, "Acceptance of TrueFace as a biometric for verification has been better than expected since product introduction last summer. This full featured evaluation version that we are now offering is intended to allow integrators the opportunity to easily and quickly evaluate and perform customer demonstrations."

Miros markets the TrueFace software to system integrators and manufacturers of secure verifications systems who then include it in their applications for a variety of markets. Markets include: access control, employee badging, benefits distribution, law enforcement, national ID and voter cards, travel documents among others where non-intrusive verification is required.

The evaluation version includes a full operational TrueFace engine, and a small application and graphical interface that can be used to demonstrate face image comparison. The user stores his own image sets in files and directs the application to compare one or more sets. The resulting confidence-of-match values are displayed for the user.

Dr. Kuperstein added, "With today's growing need for verification systems, convenience and speed are of primary importance. TrueFace offers the ability to verify a person's identity, in less than 2 seconds, without being intrusive or invasive."

For additional product or ordering information contact Gene Burnard at (508)624-9991.

Miros

TrueFace Pricing Sheet

Product	Price
TrueFace Engine software license per seat: Software for locating a face in an image and for determining the level of match between two face images. The Engine is C callable from the application on PC Windows or SUN Solaris. The verifier version is used to match two face images, while the identifier version is used to search through a database of images. Both engines come with a demonstration program, example face images, example application source code, (a security dongle for the PC model) and a manual. The user program is responsible for acquiring the face images and providing the user interface and hardware interface. (Hardware purchased separately)	
❑ **TrueFace Verifier** for PC Windows or SUN Solaris (minimum 8 units per order, except on first order)	$1,950 per unit
First order of TrueFace verifier - one per customer	50% discount
❑ **TrueFace Identifier for PC Windows** (minimum 4 units per order, except on first order)	$3,400 per unit
❑ **TrueFace Identifier for SUN Solaris** (minimum 4 units per order, except on first order)	$7,900 per unit

Maintenance includes service, upgrades and enhancements.
Cost per year as percent of purchase price:

qty: 1 -10	25%
qty: 11-100	20%
qty: 101-1,000	12%
qty: 1001-10,000	8%

***Any price listed here is subject to change without notice.**

Check out our home page on the Internet World Wide Web at http://www.miros.com/biz/miros/

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Miros, Inc.

BYTE

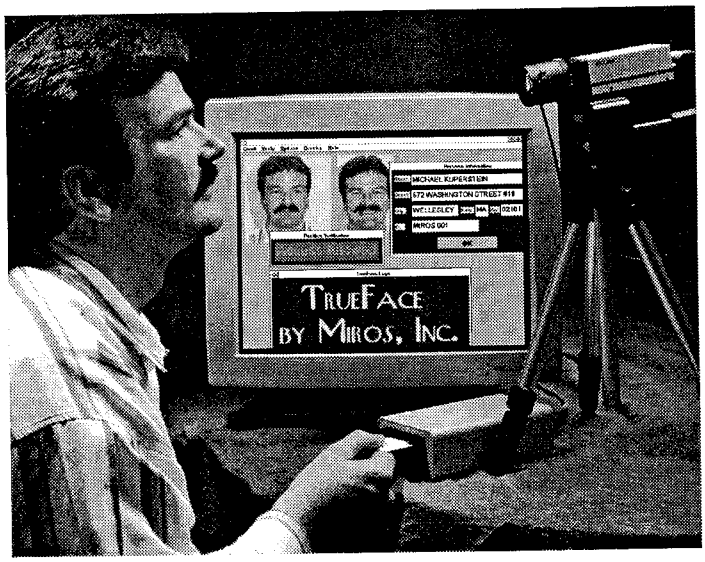
State of the Art Face Value

February, 1995

A Neural Net that Knows Faces

TrueFace from Miros (Wellesley, MA) is a neural network based facial verification system and one of the first of its kind to be commercially available. It runs under Windows on a 486 or Pentium based PC. TrueFace is available as a software system (the recognition program; a demonstration program; a C-callable 32-bit library; sample application source code; sample facial images; documentation; and a security dongle) for $1,950 each. Customers can buy one first and then they need to buy in lots of 8. Miros also offers TrueFace to integrators who can incorporate the system into solutions for security at hospitals, businesses and immigration stations.

Miros sells a proprietary TrueFace neural-network algorithm that has been trained on what a face is and how to compare faces. In live use, the algorithm compares a live face image with a compressed reference face image encoded on either an identification card or in a computer database. Compressed images require only 500 bytes.



The algorithm them decides if the two images are of the same person. The algorithm is adaptive, enabling it to accommodate changes in appearance, like glasses, lighting conditions, facial orientation and hairstyle.

One unique property of the TrueFace system is an adjustable threshold of acceptance. Some businesses (e.g. banks) place a premium on not irritating their customers. As Dr. Michael Kuperstein, president of Miros, observes, "Security adds inconvenience." Such businesses might select a lenient threshold, which although it might be less accurate, would be less likely to annoy customers. One the other hand, extremely secure installations might require an extremely stringent threshold.