

AMNIS ANNOUNCES RELEASE OF ITS EXTENDED DEPTH OF FIELD OPTION FOR THE IMAGESTREAM® SYSTEM

SEATTLE, WA, 5/22/08 - Amnis Corporation announced today the commercial release of its Extended Depth of Field (EDF™) option for the ImageStream system. This technology breaks through classical depth of field limitations of high resolution optical systems, thereby improving the performance of the ImageStream system and enabling new applications including high speed analysis of fluorescence in-situ hybridization (FISH). The EDF option can be installed at time of manufacture or in the field to allow the existing customer base to take advantage of this new capability.

“The EDF option uses a combination of specialized optics and unique image processing algorithms to project all structures within the cell onto one crisp plane of focus”, said William Ortyan, Amnis’ Chief Operating Officer. “Until now this could only be accomplished via conventional confocal image stacking techniques which are very slow and tend to suffer from photo bleaching. The ImageStream with EDF is unhindered by photo bleaching and operates at rates close to 1000 times faster than confocal microscopy. The resulting imagery and analysis capabilities are unparalleled in the cell analysis space setting the stage for the development of fundamentally new research and clinical applications based on the ImageStream platform.”

“To create the EDF upgrade we combined WaveFront Coded™ technology from [OmniVision-CDM Optics] with our own optimized image deconvolution algorithms, with striking results,” said David Basiji, Ph.D., Amnis’ President and CEO. “In addition to the optical benefits, the EDF option triples the data collection rate by allowing the instrument to be operated with a larger core stream diameter. One of the most important applications the ImageStream with EDF can now address is FISH in suspension (FISHIS®). Counting FISH spots accurately requires that all spots be in focus, no matter where they are in the nucleus.. EDF technology, combined with the tremendous speed and sensitivity of the ImageStream system, will make high throughput FISHIS a reality. With the recent release of IDEAS 3.0 and the current release of the EDF option, the Company continues to make excellent progress in advancing the technological capabilities of our product line.

Amnis Corporation, headquartered in Seattle, WA, develops, manufactures and markets the ImageStream system for high speed imaging of cells in flow. The system generates over 100,000 high resolution cell images per minute with fluorescence sensitivity better than standard flow cytometry. The ImageStream is supported by the IDEAS® image analysis package, a highly sophisticated yet easy to use tool for processing hundreds of thousands of images at a time. The software package enables advanced research applications in hematology, immunology and oncology, and provides a critical foundation for the company’s clinical applications development.