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Productronica 2005 Booth # A2.445

**COMET Launches New FEINFOCUS
Versatile X-ray Inspection System
For SMT Assembly at Productronica 2005**

STAMFORD, CONNECTICUT — At
Productronica 2005, COMET will exhibit the
next-generation FEINFOCUS COUGAR-VXP
(Versatile X-ray Platform): SMT Version, a

new X-ray inspection system for maximum operator flexibility. Developed by the global leader in microfocus X-ray inspection, the new SMT Version of the COUGAR-VXP addresses the advanced inspection requirements specific to SMT production, such as BGA, μ BGA, and wafer-level chip scale packages.



Powered by user-friendly FEINFOCUS Graphical User Interface (FGUI) software, the COUGAR-VXP includes a microfocus X-ray tube up to 160 Kv, standard 5-axes manipulator with Auto Isocentric Motion (AIM) Technology™ for oblique viewing, CNC Capabilities, FEINFOCUS HDX-ray™ real-time 16-bit image processing, CMOS digital flat panel detector, and a hardware-driven anti-collision system. The system provides feature recognition down to 1 μ m, with a total magnification of up to 6,000x and True X-ray Intensity (TXI) Control™ that guarantees stable and permanent image quality, time after time.

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Users of the versatile COUGAR-VXP: SMT Version may add features such as BGA and die-attach void calculation modules, a more sophisticated manipulator system, and a multifocus X-ray tube up to 160 kV.

The small, ergonomic design of the COUGAR-VXP makes this platform ideal for any assembly environment, as it features a small footprint (approximately 1 m x 1 m), low system weight (approximately 1,450 kg), and convenient front- and side-door service access.

A Failure Analysis (F/A) configuration of the COUGAR-VXP is also available, featuring a 6" image intensifier with digital CCD camera, standard microfocus X-ray tube up to 160 kV, and 4-axes manipulator.

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FEINFOCUS, a COMET business unit, is a leading global supplier of award-winning high-resolution X-ray inspection systems. The combined resources of COMET and FEINFOCUS provide the most complete offering of X-ray technology and products in the world. FEINFOCUS offers full radiation-shielded X-ray systems and X-ray sources, as well as complete in-house X-ray services, such as failure analysis, component defect detection, technical support, and preventative maintenance for both FEINFOCUS and third-party systems. As pioneers of microfocus and nanofocus X-ray inspection technology, the company developed the first patented "open" X-ray tube in 1982, and remains an industry leader in non-destructive testing for electronics, semiconductor, and related industries.

FEINFOCUS is headquartered in Garbsen, Germany. In the Americas, the company maintains sales, service, and applications labs in Stamford, CT and San Jose, CA. In Asia, the company's sales and service office is located in Shanghai, China.

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