

Exhibition programme for HET Instrument 2008

Industrial Automation product clusters



Industrial ICT

Business process software (ERP, CRM, SCM), operating systems, database software, logistical software, production planning software (scheduling, process modelling), engineering software (PDM, Product Data Management, data warehousing, CAD/CAE), maintenance software, ASP service.

Industrial System Integration

System integration services (system architecture design, system engineering, software application system implementation, hardware integration, consultancy, process optimisation).

Process Automation

Control equipment (valves, regulators, appendages), industrial networks (field buses, FF, PROFIBUS, ASI, Devicenet), weighing and dosing systems, vacuum technology (high vacuum, raw vacuum, control systems), operator interface systems (control rooms, wireless pads, displays), control systems (DCS, PLC, SCADA, MES, MIS), safety systems.



Field instrumentation

Sensors, meters and transmitters (temperature, flow, level, pressure), controllers, analysis equipment and systems (humidity, liquids, air, gas, solids, turbidity, conductivity, sample conditioning).

Factory Automation



Machine control (PLCs, industrial PCs), human/machine interfaces (displays, monitors, keyboards, speech systems), field bus systems, robotics (pick & place, material handling systems), system control (MES, manufacturing execution systems, SCADA), weighing and dosing systems, logistics software, vision and identification systems (cameras, controls, data collection, game grabbers, barcode).

Sensors

Inductive, capacitive, proximity switch, rotary position, photoelectric sensor, power, vibration, colour.

Machine components

Sensors (motion, speed, distance, pressure, length, layer thickness), safety components (safety relays, light screens) timers, counters, encoders, drive technology (motion control, actuators, drives, motors, hydraulics, pneumatics).

Industrial Electronics product clusters

Electronics Components

Semiconductors, electro-mechanic components, passive components, transformers, displays, wireless communication (systems, transmitters, receivers, protocols, hf/rf design, hf/rf components, protection), cable communication (LAN, WAN, optical), communication buses (VME, CAN, LON), power electronics (power supplies, thyristors), data acquisition (systems, boards, hardware and software), remote control systems, industrial computers (processor boards, operating software).



Electronics Production

Production equipment (pick & place machines, soldering equipment), production tools (ESD, tools), production service (engineering, assembly, functional testing), clean room equipment.

Design & Engineering

Embedded systems (architecture, software, operating systems), electronics design (layout of hardware boards, design service, design tools, ic design), micro-system technology (MEMS, Lab-on-a-chip, bonding, photonics, micro machining, micro fluidics, micro dispensing), nanotechnology (NEMS, bio-nano, nano-electronics, nano dispensing, nano materials).

Testing & Measurement

Electrical testing (scopes, analysers), testing for printed circuit boards (in-circuit, functional, AOI, S-Ray) mechanical testing (vibration tables, shakers), climate testing (clean rooms, climate chambers), calibration & validation (testing & simulation software, services), general purpose measuring & testing equipment (signal generators, multimeters), hand held testers (gas detection, temperature, humidity, turbidity), communication testing equipment (optical fibre, protocol analysers, signal analysis), test automation, testing service.



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Laboratory Technology product clusters

General Laboratory Equipment

General Laboratory Equipment (incubators and drying ovens, high temperature ovens, centrifuges, freezers, stirrers, milling equipment, dosage equipment/pumps, agitator and stirring equipment, heating and cooling equipment, centrifuges, laboratory monitoring equipment). Laboratory design (acid and filter cupboards, extractors, laboratory furniture, technical services). Sterilisation and disinfection equipment (mechanical, ultrasonic, liquids, thermal disinfection). Laboratory Weighing Equipment (balances, scales).

Laboratory Consumables

Labo chemicals (organic, biochemical, microbiological), gases (cryogenic, bio-culture gases, instrument gases, medical gases), disposables (pipettes, glasswork), clothing, safety articles.

Lab Automation

Lab robot products / systems (sampling, sample treatment). Laboratory Information Management Systems (LIMS) (hardware & software products / systems, system integration), lab data analysis systems, laboratory system integration.

Analytical & Optical Instruments

Analytical Instruments (chromatography [gas/liquid], atomic absorption spectrometry, infrared spectrometry, X-ray fluorescence, fluorescent spectrometry, organic mass spectrometry, data processing equipment for chromatography, capillary electrophoresis, UV/VIS, thermo analysis, TOC, ICP, ICP/MS, reology). Optical Instruments (microscope accessories, biomedical optics, industrial optics, stereo microscopes), NMR (Nuclear Magnetic Resonance).

Bio-technological & Life Sciences Equipment

Biotechnology (image analysers, electrophoresis equipment, bioreactors, homogenisers, membrane separators, disintegrators, climate cupboards, spectro photometers, flow cytometers, micro array equipment). Genomics (DNA sequence analysis, PCR polymerase chain reaction, real-time PCR, genotyping). Proteomics (protein analyse, protein mass spectrometry, protein characterisation, protein sequence analysis).

Diagnostics

Diagnostics (control sera, invitro diagnostics, media for microbiology, reagentia, analysis equipment, self tests).

Lab Services

Contract labs (test/inspection labs, calibration labs, virology labs, blood banks, production labs).

