

## Frequency Inverter

compact and flexible

The compact frequency inverter system, Nordac SK 500E, from Nord, is specified for power outputs from 0.25 to 7.5kW. Due to its modular design, it can easily be adapted to the requirements of specific applications. The basic model operates with sensorless current vector control (ISD) and features an integrated brake chopper and a line filter (for industrial and residential areas). Various digital and analog control functions can be assigned to its seven control inputs. External plug-in technology boxes allow for easy operation, parameterization, control and fieldbus connection. Interface components include Profibus, CANopen, Interbus, AS Interface and DeviceNet modules.

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## Centrifugal Pumps

ISO, ANSI and API-certified

Amarinth designs and manufactures centrifugal pumps to ISO, ANSI and API standards primarily for the industrial, chemical and petrochemical markets. The pumps are interchangeable with Girdlestone pumps, eliminating the need for expensive modifications when replacements are required. Amarithh designs total systems that can include receivers and interceptor vessels, condensate recovery units, filtration and separation modules, instrumentation and control, valves and pipe work. The company also undertakes pump repair and maintenance and can optimise existing pumping solutions and hydraulic systems to maximise efficiency and improve reliability.



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## Portable Meter

for oxygen measurements

Knick's portable meter Portamess 913 Oxy measures dissolved oxygen. It operates with three AA batteries which power it for approx. 1,000 hours. Its housing provides IP66 protection and resists mechanical and chemical stress. Ergonomically designed, measuring 133x160x30mm and weighing 560g, the Portamess 913 is suited for mobile use, such as in the food industry, in environmental technology or water and wastewater treatment. The device has a practical fold-out hook and can be positioned almost anywhere. Measuring is carried out by no-flow oxygen sensors that can be easily calibrated within the instrument.



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## Graphic Terminal

with high and low-end options

The latest addition to QSI Europe's HMI terminals is the QTERM-Z60, which features object-based programming. This rugged operator interface has an STN colour QVGA, 256-colour LCD display. With a 143mm-diagonal size, it offers good readability under most lighting conditions. User input is via a resistive touch-screen, providing high resolution, that also incorporates "soft" keys set outside the viewing area. The units are suitable for markets including telematics, motion control, distribution systems and building controls. Two models are available to accommodate different operating conditions and budgets, with both operating at up to 115, 200kbaud.



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## Safety Curtain

self-learning functions

The dynamic, self-learning blanking function of the C 4000 Palletiser safety light curtain from Sick is designed for safety, availability, and various supplementary functions. The company says there are installation and operating cost benefits of up to 40% compared to conventional muting solutions. The device detects persons entering the hazardous areas of machines but allows the transport of material in and out of such areas. Pattern detection, such as that of pallet feet or goods on pallets, obviates the need for supplementary sensors and guarding measures, which leads to cost savings amounting to several thousand euros per site.



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## Valve Islands

for pre-configured needs

Norgren, motion and fluid control specialist, is offering its VM valve series for customers needing pre-configured and ready-to-install valve islands. With high performance models available from both the 400l/min VM10 series and 1000l/min VM15 range the valve islands come with prefitted accessories such as a low-profile right-angle 5M cable, silencers, plugs and mounting kits. Made of engineered polymer, the VM offers increased strength yet is lightweight. With a focus on providing maximum machine uptime the proven spool and seal pack ensure a life of 100 million cycles and the integral push-in fittings reduce installation time, valve island size, component counts and eliminate potential leak paths.



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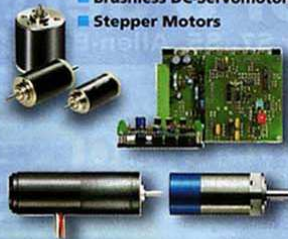
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### Different motion concepts

- DC-Micromotors, precious metal commutated
- DC-Micromotors, graphite commutated
- Brushless DC-Servomotors
- Stepper Motors



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### MINIMOTOR SA

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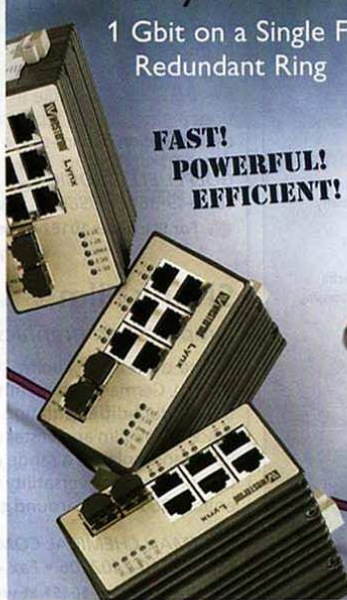
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