Urschel designs and manufactures over 50 different models of rugged, precision food cutting machinery. Dependable slicers and dicers for all types of vegetables, seafood, meat, and poultry.

Ready meals simplify the daily lives of consumers. Let Urschel cutting equipment simplify your daily workload.

Contact your local Urschel office to schedule a free-of-charge test cut of your application.
Compact chillers give scalable, efficient cooling

Pfannenberg UK has extended its ecool enclosure thermal management portfolio with the introduction of the CC Compact range of air-water chillers, which are very cost-effective and energy efficient. The family consists of six models rated at 1100 to 6500W. The three smaller sizes are powered from 115/230VAC 50/60Hz single-phase supplies, the larger three units from 50/60Hz three-phase power.

Applications range from machine tools, plastic processing, the food, drink and pharmaceutical industry as well as printing units, packaging lines, welding systems and IT server cabinets. The chiller, which is typically used in conjunction with a cabinet-mounded air-water heat exchangers, reduces the load on the building air conditioning system by extracting the heat in a closed loop system to outside the building, reducing costs. Closed loop air-water cooling is also an effective solution where conventional thermal management with cooling units or filter fans is not possible due to dust or dirt pollution. The chillers can be interconnected in a ring configuration to give redundancy for critical applications and the optimised airflow through the units provide improved temperature stability and allows operation in higher ambient temperatures up to 45°C.

The chillers are easy to maintain: removable side panels and a hinged front door enable easy access to the components. IP54 sealing allows the units to be installed in harsh ambient conditions.

The units carry UL, cUL, GOST and CE Approvals. They also have ETL 1995 certification, making them particularly interesting for machine manufacturers who work internationally.

Contact Pfannenberg UK 01703 384844 or visit www.pfannenberg.com/en/products/chillers/

Norgren’s actuator technology UK debut

Norgren, a world leader in pneumatic motion and fluid control technologies, gave its UK debut to a new range of cylinders at the Total Processing & Packaging Exhibition.

The Norgren stand showcased IVAC (integrated valve and actuator control), a range of high-performance pneumatic cylinders that offer energy-saving potential, functional innovation and improved aesthetics.

IVAC has been specially designed in collaboration with customers and offers users all the advantages of conventional pneumatic control in a single actuator package. Typically, conventional pneumatic control is comprised of up to 13 different components, but by condensing these separate parts into one integrated unit Norgren can offer OEMs and end users a dramatic cut in energy and operating costs.

A key advantage of IVAC is that each unit requires only one pneumatic and one electrical connection, meaning customers no longer need multiple valve islands, tubing and accessories. By eliminating the need for excess components the unit is able to reduce ‘dead’ volume and decrease air consumption by up to 50 percent. The benefit of the unit’s increased efficiency is easily visible to customers as the reduction in air consumption substantially cuts cost per mm of stroke, potentially resulting in enough energy savings to refund the entire cost of an IVAC product within one year. IVAC units also boast a sharper and nearer appearance, helping to make plants and machines look cleaner and more advanced.

IVAC cylinders are available in a number of sizes and options. All variations provide an integrated solution which delivers Engineering Advantage by combining the valve, flow controls, cushioning and sensors in a single actuator package.

Des Cunningham of Norgren comments: "After speaking with many of our customers it became clear they needed a product that not only cut costs, but also could be easily incorporated into their current operations. With these two factors in mind we created IVAC as a way to streamline conventional pneumatic control, and since IVAC can be retrofitted or integrated within new systems and requires no mechanical design changes from OEMs, the cylinders fit well in a range of operating environments."

He added: "Today, businesses are no longer just looking for cost-effective solutions, but rather sustainable solutions. IVAC deliver reduced energy use and air consumption while lowering downtime for cleaning and maintenance, therefore increasing productivity. Potential users from design engineers and production managers to plant maintenance engineers will all see benefits from the use of IVAC units that far exceed simple cost reductions."

Contact Norgren on tel 01543 365500 or visit www.norgren.com/uk/ivac

ABB launches on-line tool for selecting MEPS

ABB has launched an on-line tool that makes it easier than ever to select motors to meet different minimum energy performance standards (MEPS). The tool makes it easy to choose the optimum motor to meet MEPS requirements as they change or are introduced to new areas.

The Optimizer can be found at www.abb.com/motors&generators or can be downloaded from the Apple store for iPad use. Motor users can select motors, compare running costs and get further documents about their motors.

The first stage in motor selection presents the user with eight drop down selection menus. Categories are MEPS area (eg EU, USA), efficiency class (IE2, IE3 etc), frame material, motor range, voltage, frequency, speed and power output.

Once the required characteristics are selected, the tool presents a list of suitable motors. For instance, selecting EU MEPS, IE3, dust ignition proof motors, 400 V, 50 Hz, all poles and all outputs, returns a list of 49 suitable motors and their characteristics.

Any of the suggested motors can be easily saved with one click – the next stage is to compare these motors to discover the cost of running them.

All these motors can be compared by running cost, payback periods, lifecycle savings and reduction in greenhouse gas emission. The Optimizer will also, if possible, automatically suggest a higher efficiency motor and highlight the additional savings that could be realised by upgrading. Test results, drawings, data sheets and other documents can be accessed quickly and easily for the selected motors. Documents can be opened on screen, saved or exported as a zip file.

"Selecting the optimum motor to meet a specific MEPS can be a complicated task. With the Optimizer we’ve developed a tool that not only makes the job easy but also provides running cost information and easy access to all the necessary documentation," says Ian Allan, General Manager for ABB motors and generators in the UK.

Optimizer will initially cover ABB’s standard IEC low voltage motors and motors for explosive atmospheres and will later be expanded to include other motor ranges and additional aspects to calculate the cost of ownership.

Contact ABB on tel 01925 741111 or visit www.abb.co.uk/energy