

## NCFE Joining Module

Kistler is launching its new NCFE joining module, developed especially for plant manufacturers who nowadays build their own joining units and also for operators of conventional power packs.

The new joining module is specifically intended for simple joining processes that feature low requirements as regards cycle times, design and measuring ranges. As compared to hydraulic or pneumatic units, the NCFE module (the 'E' stands for Economy) offers convincing advantages such as low energy consumption, simple handling and fast commissioning. It is designed for applications in the 10 – 80 kN measuring range.

The joining process is monitored by the maXyMos NC monitoring system, which evaluates and documents XY curves for joining and press-fit processes in conjunction with the NC joining modules and the IndraDrive servo amplifier that is included in the system. The patterns of measurement curves can be used to monitor the quality of a single production step, a sub-assembly or an entire product, with control in real time via SERCOS III. The benefits: optimal cycle times can be achieved with maximum repeat accuracy, downtime is minimized and machine availability is increased – adding up to a boost in productivity for the entire manufacturing process.



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## RRC are proud to be a NEBOSH Gold Learning Partner

RRC are a well established health & safety and environmental management training provider, with over 90 years experience of delivering effective, quality training to thousands of students worldwide.

In September 2019 NEBOSH introduced a Learning Partner Programme which recognises those Learning Partners that provide their learners with the best possible learning experience.

The Learning Partner programme has been launched as a commitment to learning excellence and to aid continual improvement for learners. As a Gold Learning Partner (the highest level in the programme) you can guarantee that you will receive the best NEBOSH training experience when you study with RRC.

The Learning Partner programme ensures that all NEBOSH Learners have a positive learning experience and helps to make choosing their Learning Partner an easier and more informed decision. RRC are committed to continually improve our learner experience; through our face to face, online, blended learning and in-company training, and have been recognised by NEBOSH for our high quality and innovative course delivery and excellent learner support.



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## SUEZ celebrates four decades in business with purified water cylinder exchange offer

To mark its 40th anniversary, SUEZ Water Purifications Systems Ltd (formerly Purite) is offering new customers huge discounts on the company's Cylinder Exchange Service, for a limited time only.

Under the discounted offer, businesses that are new to using a purified water cylinder exchange service will receive a brand-new water cylinder, for the price of an exchange cylinder, amounting to massive savings of up to 75%. Businesses that switch over to SUEZ from another provider will also receive substantial discounts, with no upfront cost to purchase a new cylinder, a regenerated cylinder supplied for the first exchange and 25% discount on the first exchange order (up to 5 exchanges).

Using the Cylinder Exchange Service, a company can purchase the cylinder it needs for its purified water needs. When this cylinder is exhausted, the company sends its purchase order or pre-paid voucher to SUEZ Water Purification Systems, which then organises the collection of the empty cylinder, regenerates it and returns it, all within seven working days.



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## Bring the work to the operator

Use of a Tecmach scissor lift to lift the work to the operator can minimize lifting, bending and stretching for the operator as they work.

Also, a comfortable working height for the operator aids efficiency and supports high work quality. Being able to adjust the height easily is especially useful for a shared work station where the operators may be of different stature. The use of scissor lift for ergonomic working can enhance operator experience, productivity, lessen chance of injury and improve work quality.

A Fabric supplier installed scissor lifts at their cutting work stations to reduce back injuries through lifting and twisting when handling heavy rolls of fabric. The fabric to be cut was moved to the cutting area in stillages and loaded on the scissor lift by the fork lift. The operator could then raise the stillage to a comfortable height to lift off the fabric roll. From a trial with one lift table the cutting area now has four since it proved to be an effective improvement to the working system and gave improved operator safety.



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## ABB at Robotics and Automation to show 'distribution center of the future'

ABB to show how logistics automation solutions can help distribution centers adapt to the ever-evolving demands of the e-commerce market

ABB will demonstrate how the use of its latest automation technologies will lead to responsive, profitable and sustainable distribution centers at Robotics and Automation 2019, taking place at the Ricoh Arena, Coventry, 29 – 30 October 2019. Stand 502 will feature examples from ABB's logistics automation and digital portfolio, with experts on hand to explain the benefits of the technologies and how they can be best deployed.

Today distribution centers are increasingly handling a wide variety of parcel sizes, distribution requirements and shifting demands as e-commerce markets continue to proliferate. ABB's demonstrations will show how solutions such as ABB's Robotic Singulator Cell can be used to separate small parcels from bulk flow as well as auto induction of parcels to sorter systems, an activity that is largely performed manually today.

As a standardised solution, the Robotic Singulator Cell provides an ideal answer to distribution centers looking to improve

flexibility simply by making it easier to install, program and operate an automated workflow.

Also on show from ABB's portfolio will be the dual and single arm versions of YuMi® collaborative robot, which will demonstrate the collaboration possible between robots and humans. Offering enhanced safety and simplicity, the YuMi family provides the ability to manage a combination of low volume/high mix products whilst humans can either work safely alongside the robots or can be redeployed to other more high-value, problem-solving tasks.

Simplification will also be demonstrated by the new Flex Pendant handheld controller which enables operators to perform many of the tasks involved in robot operation on an intuitive tablet resembling a video game control.



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