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THE JOURNAL

From Rockwell Automation and Our PartnerNetwork™

Transforming Your Business

Digital transformation isn't just about new technologies — it's about using those technologies to change how business is done.

DIGITAL TWINS
GO BEYOND IMPROVING
MACHINE DESIGN

UNDERSTANDING
SQL DATABASES &
TRANSACTION MANAGERS

AUTOMATION FAIR 2019
WRAP-UP

PSRST STD
US POSTAGE
PAID
HARRISBURG PA
PERMIT # 249

>> Intrinsically Safe Digital Weight Indicator

Encompass™ Product Partner **Rice Lake Weighing Systems'** 882IS/882IS Plus intrinsically safe digital weight indicator is protected from potentially explosive, hazardous environments. With FM, IECEx and ATEX approvals, the unit suits flammable and combustible applications such as fuel refineries, chemical plants, distilleries and textile manufacturing.

The weight indicator allows for increased flexibility with an optional remote I/O module featuring a serial port, Ether-Net/IP™, DeviceNet™, Ethernet TCP/IP and optional analog output. This configuration facilitates communication with printers and computers. The 882IS also has both local and remote capabilities.

The 882IS features extended battery life, capable of up to 60 hours of use with four 350-ohm load cells. An auto-ranging, dual-output AC power supply allows operators to power two units using one power supply. A backlit LCD display helps optimize visibility in all light conditions, while a stainless steel NEMA IP66 enclosure provides protection from the elements.



>> Linear Motor for Hygienic Applications

Encompass™ Product Partner **LinMot** offers the P10x70 3x400VAC stainless steel motor. These fully protected motors are ideal for use in food processing and beverage machines and in pharmaceutical and medical applications requiring extensive cleaning processes.

The housing, made completely of stainless steel EN 1.4404/ AISI 316L, is designed for demanding environmental conditions. The completely welded housing encapsulates the motor from the outside, providing IP69K protection.

To prevent condensation in the motor, the motor housing is poured out under vacuum. This frees the housing of air inclusions, which could form condensation at changing temperatures. In addition, the motors are equipped with water cooling integrated into the housing.

The motors' modular design means the bearing can be replaced easily. Mounting flanges allow simple system and machine installation.

The 3x400VAC technology coupled with servo drives with direct mains supply permit the motors to fit into new and existing machine concepts. They also can be controlled via external third-party drives.



>> PRODUCT SPOTLIGHT

Smartphone for Hazardous Areas

Encompass™ Product Partner **Pepperl+Fuchs'** brand ecom introduces the latest generation of its intrinsically safe 4G/LTE Android smartphone, Smart-Ex 02. It features a 12.7-cm (5-in.) display, good ergonomics and an optimized accessory concept. The explosion-proof smartphone can be used for Zones 1/21 and Div. 1.

Equipped with an Android 9 operating system, the smartphone works quickly and securely, simplifying communication among employees, the control center and backend systems. It supports 21 LTE frequency bands and is delivered simlock-free. Global Ex and approval certifications allow for worldwide use and global rollouts.

Designed for an extended temperature range from -20° to 60°C, the phone can be operated under extreme conditions. For maximum durability, its display is protected by shock- and scratch-resistant gorilla glass. Even in direct light, users can read the display, forward data and share it in the corporate network.

A strong, easily replaceable battery with 4,400 mAh power offers 24-hour operation. A magnetic USB port protects

against wear and tear and damage to PINs and unsecure USB connections.

Push-to-talk and alarm buttons, volume control and the camera release button are intuitive and easy to use, even while wearing gloves.

