The Lead

Scara Robots with Increased Payload Capacity

December 10, 2012 | Comments

New to Toshiba Machine's affordable and lightweight THL Series line, the THL300 and THL400 offer increased payload capacities. In fact, with arm lengths of 300mm and 400mm respectively, these new THL robots fall into the class of small SCARA robots, while they boast the maximum payload capacity (5kg) in their class.

Small Brushless Dual-Shaft Motor

May 16, 2013 4:49 pm | by MDT Staff | Comments

Allied Motion has announced the KinetiMax 32EB-DS, an extremely compact brushless DC motor with...

Precision Laser and Micro Manufacturing Capabilities for Medical Devices

May 15, 2013 5:10 pm | by MDT Staff | Comments

Joining Technologies is highlighting its precision laser and micro manufacturing capabilities...

Smallest Non-Magnetic Inductor Ideal for Medical Imaging

May 14, 2013 4:11 pm | by MDT Staff | Comments

Gowanda Electronics announced the introduction of the world's smallest non-magnetic molded RF...

Medical Approved, 400W AC/DC Power Supplies

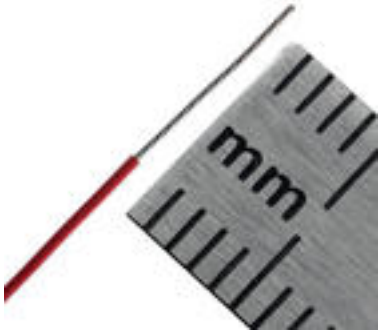
May 20, 2013 2:51 pm | by MDT Staff | Micropower Direct Llc | Comments

The MPU-400M series, available now from MicroPower Direct, is a family of compact 400W AC/DC power supplies that are certified to EN 606013RD edition. These power supplies offer a unique combination of high power, safety features, robust performance and compact construction.

New One Way Respiratory Valves

May 20, 2013 2:42 pm | by MDT Staff | Qosina | Comments

Qosina has announced the addition of two One Way Respiratory Valves to their line of respiratory kit components and circuit connectors. Made of polypropylene and medical grade silicone, the valves feature molded arrows to indicate the direction of flow.



Micro Extrusion Primary Wires

May 20, 2013 2:33 pm | by MDT Staff | Temp-Flex Cable Inc. | Comments

Temp-Flex has announced its MediSpec micro extrusion primary wires, designed to meet tight tolerance requirements for invasive and implantable applications in the medical industry. The Temp-Flex MediSpec micro extrusion primary wires deliver optimal reliability down to 52 AWG in a wide range of biocompatible conductor materials.

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External Gauge Control System Delivers Greater Output

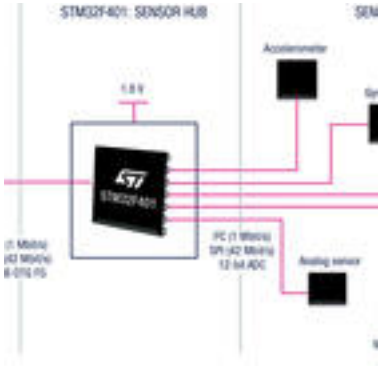
May 20, 2013 2:18 pm | by MDT Staff | Comments

Addex has announced an enhanced automatic external gauge control system for blown film extrusion lines. The new Tandem external gauge control system combines the gauge control efficiency of Addex's EGC air ring with a bubble stabilizing lower air ring which achieves 15% to 30% greater output compared to Addex's standard EGC system.

Compact 6W DC/DC Converters

May 17, 2013 5:13 pm | by MDT Staff | Micropower Direct Llc | Comments

The MA600MHI series from MicroPower Direct is a family of compact, 6W DC/DC converters fully approved to both EN 60950 and EN 60601. They are specifically designed to meet the stringent isolation, reinforced insulation and low leakage requirements of medical grade equipment.



Class-Leading Microcontroller Series

May 17, 2013 4:55 pm | by MDT Staff | Comments

The STM32F401 is the entry-level microcontroller in STMicroelectronics' high-performance STM32F4 series featuring the ARM Cortex-M4 32-bit/DSP core. While running at lower frequency than other STM32F4 devices, it balances performance, power consumption and integration and claims the lead in its class.

Starter Kit Speeds Up Commissioning

May 17, 2013 4:44 pm | by MDT Staff | Comments

With its new StarterKit, Nanotec Electronic is providing companies with a complete solution for choosing and commissioning the optimum drive. Various motor settings can easily be tested, and different operating modes such as open loop and closed loop can be compared.

550°F Bench Oven

May 17, 2013 4:24 pm | by MDT Staff | Thegrieve Corporation | Comments

No. 983 is an electrically-heated 550°F bench oven from Grieve, currently used for curing medical instruments. 3KW are installed in Incoloy sheathed tubular heating elements. Workspace dimensions are 26” wide x 22” deep x 16” high.

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Low Cost High Resolution 6GHz Counter-Timer

May 16, 2013 3:29 pm | by MDT Staff | Saelig Co. Inc. | Comments

Saelig has introduced the TF960, an economical 6GHz bench/portable frequency counter. It features a high quality temperature compensated internal frequency reference, which has a low aging rate and is stable to within ±1ppm over the full temperature range.

Capillary Tubing for Analytical Techniques

May 16, 2013 12:28 pm | by MDT Staff | Polymicro Technologies, A Subsidiary Of Molex | Comments

Polymicro Technologies will exhibit its capillary tubing and related products at the 37th International Symposium on Capillary Chromatography. Featuring the latest developments in column technology, detection systems and applications using GC, LC and CE modes, the ISCC provides an annual forum for scientists involved in chromatographic separations.

World’s Smallest, Actively Q-Switched UV Laser

May 16, 2013 11:58 am | by MDT Staff | Spectra Physics | Comments
Spectra-Physics has introduced Explorer One, the world’s smallest, actively Q-switched diode-pumped solid-state ultraviolet lasers. The unique “It’s in the Box” design combines laser resonator and control electronics into a single housing, making Explorer One the most compact and lightweight UV laser in its class.

Dual and Triple Wavelength Fiber-Coupled Lasers

May 15, 2013 4:23 pm | by MDT Staff | Comments
OSI Laser Diode has introduced two unique fiber-coupled lasers for optical test instruments available in compact, dual-wavelength or triple-wavelength packages. Both offer high peak optical power and feature divisional wavelength values of 650 nm, 850 nm, 1310 nm, 1550 nm, and 1625 nm and 1650nm.

DC Motor for Fine Rotary Motions

May 15, 2013 4:07 pm | by MDT Staff | Maxon Precision Motors, Inc. | Comments

The new – big and powerful – RE 30 EB precious metal brushed motor is a special and rare drive, and for certain applications, it's exactly what's needed. Precious metal brushes are known for ensuring low, constant contact resistance over the entire service life, a characteristic that makes control far easier.

Next Generation Cylindrical Photo Sensors

May 15, 2013 3:40 pm | by MDT Staff | Omron Automation and Safety | Comments

Omron Automation and Safety has developed a new generation of M18 cylindrical photoelectric sensors that combine simple selection and installation with reliability, versatility, rugged construction and value for money. The E3FA plastic body and E3FB metal body sensors are suitable for applications in all industries...

1200W Benchtop Power Supply

May 14, 2013 4:20 pm | by MDT Staff | Saelig Co. Inc. | Comments
Saelig has introduced the QPX1200SP - a 1.2kW DC bench-top power supply featuring PowerFlex regulation, designed to meet the need for flexibility in the choice of voltage and current. It offers voltage and current combinations for a very wide range of applications between 60V/20A and 20V/50A.

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