

Berlin, August 4, 2014

Taipei International Industrial Automation Exhibition (TIAE), August 27-30, 2014

Schleicher Electronic presents efficient control systems

Schleicher Electronic, a leading provider of automation solutions, will unveil several control systems for use in the manufacture of machines and plants at TIAE show, booth N301, in Taipei. The company is featuring a multi-compatible machine controller, a state of the art "Position Synchronized Pulse" laser functionality, a machine operation with smart phone convenience as well as a "cool" control system.

Featured products include:

Machine Controller "ProNumeric XCI 600": The IPC-based machine controller allows for fast and efficient field networking to international standards. The "ProNumeric XCI600" Schleicher controller supports the common CoE (CAN over EtherCAT) profile and is therefore compatible with nearly all EtherCAT-enabled drives. Windows 8 embedded and an Intel i3 processor facilitate applications with up to 32 interpolating axes. The dynamic multi-operating system architecture ensures the continuous protection of current processes as well as long-term investment security.

The Schleicher controller is provided in "Book-PC" format. The dimensions 100x200x200mm (3.93 x 7.87 x 7.87 inches) and vertically orientated connectors make the XCI600 very compact. Neighboring devices can be directly placed next to the controller - even in very flat switch cabinets. Consistent use of power-saving components ensures very low energy consumption, so that there is no need for active cooling in most applications. The ProNumeric XCI600, like all other Schleicher controllers, focuses on permanent CNC/PLC synchronization. The "Intelligent Motion Controller" concept allows Schleicher to combine the strengths of both control technologies and to offer smooth movement sequences, efficient production processes and intuitive operation.

"Position Synchronized Pulse" laser functionality: Pulsed lasers are increasingly being used in laser machining in CNC machine tools. For this purpose Schleicher Electronic has especially developed the PSP function as a complementary control. PSP consists of software and the special ProNumeric XSL module, which facilitates highly-accurate time control and complex signal sequences. The control of the laser pulses is exactly synchronized with the motion of the machine. The effect: the energy from the laser is distributed absolutely evenly on the cut surface even at high machine speeds.

The PSP has already proven itself: for example, it is used in Asia in the high-tech industry in the production of surfaces for the displays of modern 3D TVs, amongst other things. Not least, this is because it can be easily combined with different drive systems - no laborious refitting is required.

Hand-held operating device "ProNumeric OP 50 M": Schleicher Electronic is revolutionizing the operation of machine tools, handling devices and industrial robots with the ProNumeric OP 50 M hand-held operating device. This is the first time that a machine can be controlled with smart-phone convenience. The large touch display of the handy device visualizes the individual user interface, which is communicated by the device controller via a web browser. Traditional operating elements such as the high-resolution hand-wheel that eases real-time interaction between the operator and the controller are provided at the same time. Best of all and unique at that: Compared to conventional operating devices, the ProNumeric OP 50 M not only enables optimized handling but also supports problem-free interfacing with the leading machine networks EtherCAT and sercos III.

The device was equipped with an integrated web browser to make it possible to disconnect the ProNumeric OP 50 M during operation from one machine and to reconnect it to another. It is therefore possible to program an individual user interface with all standard visualization functions. The visualization project is not stored on the hand-held device but on the mass storage device of each controller. The user interface can therefore be called up immediately once a new controller has been connected.

Machine control system "XCA 1277": With its new machine control system, Schleicher Electronic has added a further development to its tried and tested XCx controls range. The upgrade to Windows 7 embedded and its Intel i7 Multicore high-performance processor now allows it to run applications with 64 interpolated axes and 32 systems. The focus of the development process was on reducing maintenance costs and extending the system's service life. Last but not least, the control system was designed to be genuinely "cool" as compared to other control systems on the market: Instead of a sensitive and exothermic hard drive, its engineers used a 64 GB Solid State Disk (SSD). This choice allows the system to perform without any fast moving – hence potentially high maintenance – cooling unit. This represents major benefits and advantages for machine manufacturers and machine users.

The XCA 1277 is integrated mechanically into the XCx range, and is outfitted with a variety of interfaces for multipoint gating with peripherals: CAN interface and USB port, DVI/VGA combined interface, Ethernet connections with integrated switching, digital and analog I/O modules, as well as an integrated Sercos III interface.

About Schleicher Electronic

Schleicher Electronic GmbH is a leading provider of automation solutions and the only medium-sized company owning a proprietary NC kernel for use in the manufacture of machines and plants. Since its foundation in 1937, Schleicher has been standing for quality, innovation and experience: What began in 1958 with the invention of the time relay was perpetuated with the development in 1985 of the autonomous NC kernel and with the company's own programming and production of customized control systems. This company's longstanding tradition in innovation has its origin in Berlin, a major worldwide science hub; Cooperative projects with internationally renowned research institutes ensure constant inspiration for new developments, giving Schleicher Electronic that decisive edge in the area of complex, high performance industrial applications. The company's four core competencies include high-performance control systems, relays, electronic engineering services (EES) and electronic manufacturing services (EMS). Featuring roughly 90 employees, Schleicher Electronic does its manufacturing exclusively in Berlin. Schleicher solutions are in use worldwide. Amongst many others the customer base proudly includes Siemens AG, BMW AG and Sick AG.

www.schleicherb.berlin

Press contact

Raffaella Kriegel

Phone: +49 (0)30 33005 0

E-mail: raffaella.kriegel@schleicher.berlin