Topics

IDEC Has Made a Full Launch of its Safety and Explosion Protection Consulting Operations, an Area Making Steady Advances

The government revised the Industrial Safety and Health Law in April 2006. The implementation of advance surveys of potential danger and harm (risk assessments) to pick out budding industrial accidents in the workplace (risk), and efforts to implement the required risk reduction devices (safety measures) based on the results of those risk assessments are now compulsory.

In such circumstances, momentum related to the safety of production machinery and equipment, other factory and workplace devices and industrial workplaces overall has increased in a breath.

IDEC, which has been working on technology and products related to safety and explosion protection from an early stage, has been accumulating original know-how on a global basis from the foundation of the company to the present time. The IDEC Group has initiated safety and explosion protection consulting services to support safety and production in manufacturing workplaces from the 4 standpoints shown below and with its knowledge and know-how, taking the group one step further than its safety education activities for industry, including the safety and explosion protection seminars IDEC has continued to provide up until this point.

IDEC is aiming at the dramatic expansion of its safety and explosion protection business in the future through the skillful integration of safety equipment development activities on the hard side and consulting services on the soft side.

Our Robot-controlled Cell Production System Is Drawing More Attention

In recent years, in industry areas such as FA, manufacturers have not only placed importance on the productivity and efficiency of machinery, but have also come increasingly to emphasize considerations of safety as well.

In this environment, IDEC s Robot-controlled Cell Production system is not the idea of having the robots of robot-centered cellular production replace the people who work in human-centered cellular production. Rather, it is technology that realizes and verifies the world s first dual production and safety system through optimal control design of the entire production process, including front-end and post processing.

This innovative production system is attracting even more attention than it has done up to now and was being picked up by various mass communication outlets towards the end of the term under review, including introductions in a number of TV programs and magazines such as Nikkei Monozukuri.

*For details, please refer to the IDEC website. http://www.idec.com/jpja/index.html

New Market Release of a Sophisticated Small Programmable Display Featuring a High-Resolution LCD Screen

There are increasing needs for greater space efficiency in operating display parts in association with the downsizing of equipment in various industries. Because of this, there are increasing needs for the size reduction of programmable displays. In addition, there is demand for displays with global capabilities able to cover a wide range of overseas markets, not only Japan.

The product that responds to those needs is IDEC s HG1F Small Programmable Display. While small, the HG1F display possesses sophisticated functionality and high-speed capabilities on a par with medium sized and large models, and by incorporating a high-resolution LCD screen, is equipped with the highest luminosity* display characteristics among such products in Japan. Furthermore, the HG1F has realized increased space saving through use of the thinnest display panel available on any such product in Japan.

* IDEC comparison based on small programmable displays for industrial use.
** IDEC comparison based on small programmable displays for industrial use incorporating a CCFL backlight.

New Release of a Small-size Teaching Pendant Designed in Pursuit of Safety and Ease of Use

IDEC has developed the HG1H Small-size Teaching Pendant, the optimum tool for robots with few axes such as uniaxial robots and small assembly robots. The HG1H was released onto the market in January 2007. This new teaching pendant is not only easy to use, but is also equipped with safety equipment that conforms to global safety standards.

As standard equipment, the HG1H incorporates a 3-position enabling switch that will always turn off when a dangerous condition occurs, and a emergency stop pushbutton switch.

Usually, this kind of equipment requires the development of software matched to the host machine, but the HG1H Small-size Teaching Pendant is equipped with standard system software aimed at curtailing the customer s development processes and development costs.