

World-leading Robotics range from intelitek

...A world-leading developer,
Producer and supplier of
Technology training systems



SCORBOT-ER 4u - Versatile

This versatile and reliable training robot is ideal for both stand-alone use and integration with other devices and CNC machines in automated and FMS workcell configurations. The classic SCORBOT design enables observation of the robot's working mechanical parts while ensuring student safety. Powerful software, extensive curriculum and a wide range of accessories allow students to acquire significant experience and programming skills in robotics and automation.



SCORBOT-ER 9Pro - Industrial Training

This rugged, vertically articulated robot system offers advanced robotic path control, speed and accuracy. Designed to interface with a wide variety of automated machines, devices and end effectors, it is the perfect robot for FMS and CIM workcells. With a controller that can simultaneously monitor and control up to 8 axis and 38 I/Os, this robot system meets the most demanding requirements of a robotic workcell.



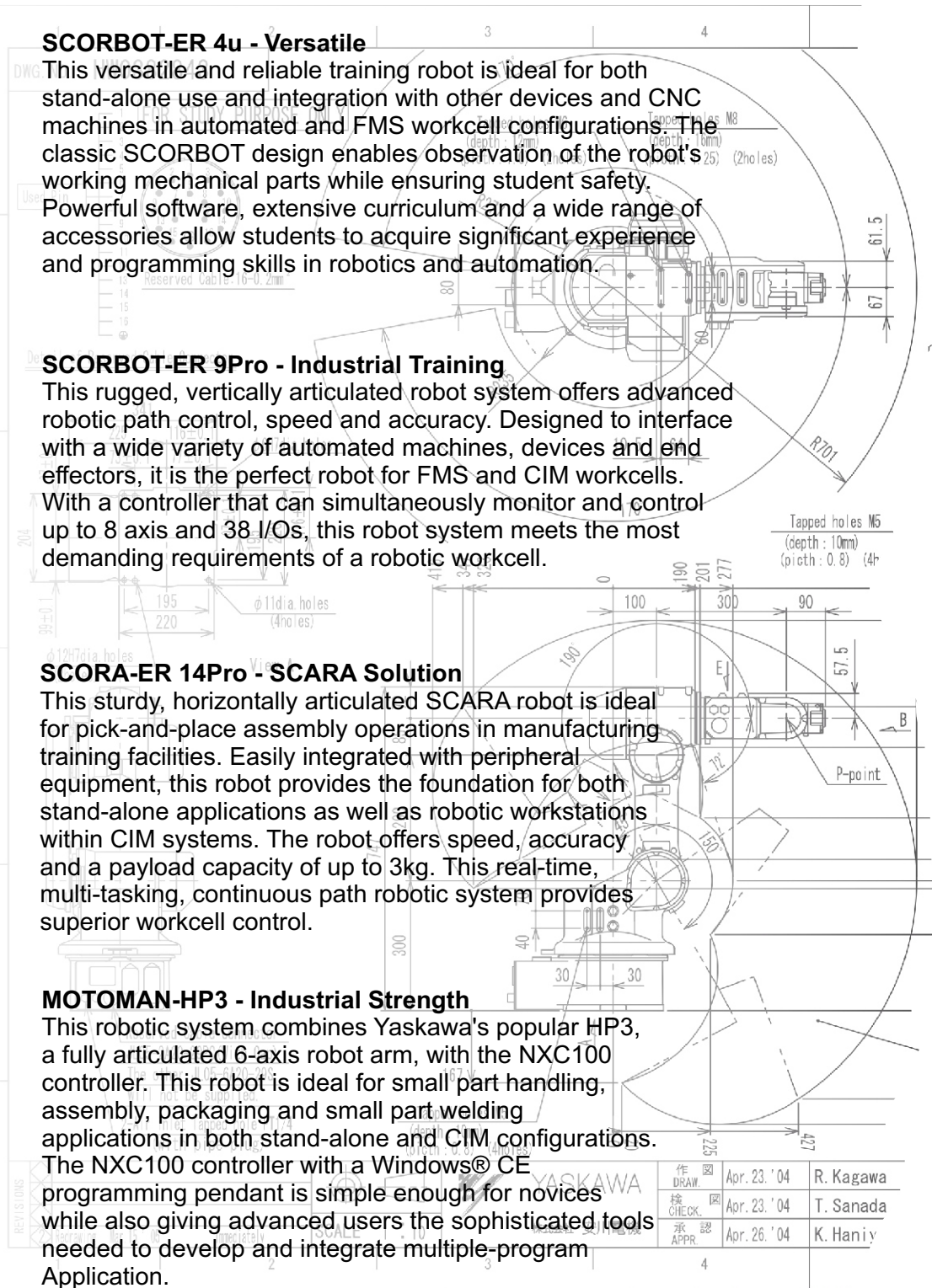
SCORA-ER 14Pro - SCARA Solution

This sturdy, horizontally articulated SCARA robot is ideal for pick-and-place assembly operations in manufacturing training facilities. Easily integrated with peripheral equipment, this robot provides the foundation for both stand-alone applications as well as robotic workstations within CIM systems. The robot offers speed, accuracy and a payload capacity of up to 3kg. This real-time, multi-tasking, continuous path robotic system provides superior workcell control.



MOTOMAN-HP3 - Industrial Strength

This robotic system combines Yaskawa's popular HP3, a fully articulated 6-axis robot arm, with the NXC100 controller. This robot is ideal for small part handling, assembly, packaging and small part welding applications in both stand-alone and CIM configurations. The NXC100 controller with a Windows® CE programming pendant is simple enough for novices while also giving advanced users the sophisticated tools needed to develop and integrate multiple-program Application.



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Advanced versatile Robotic systems



Robotics

Robotics today means much more than the traditional industrial robots used for performing manufacturing tasks such as welding, painting, assembly and machine tending. Technological advances have produced personal robots that serve as butlers and bodyguards, medical robots that assist surgeons and hospital staff, and autonomous robots with the potential to make decisions and socialise with people. These developments in robotics pose exciting and challenging opportunities for students.



A world-leading innovator in technology education, **Intelitek's** renowned line of robotics training systems serve educators and students at all levels, from the basic fundamentals to advanced study and practical work in robotics, automation, control systems, informatics and mechatronics. **Intelitek's** Blended Learning approach, comprising **hands-on training, virtual hands-on training, and dynamic 3D simulation software**, combined with **Intelitek's** LearnMate E-Learning Content, enables various levels of learning, customisable to customer needs, and providing a powerful and affordable training package.

Solar Laser Systems are able to offer a wide range of robot programming and control software, including SCORBASE and RoboCell.

All **Intelitek** robots have accessible and changeable parameters. Robots can also be integrated with user-designed applications and projects, such as configuration as **telerobots that are operated remotely over the Internet**. Students can also develop and implement algorithms for robots to execute in conjunction with vision, quality control and data acquisition systems, or any PC-based software.

Solar Laser Systems provides complete robotic training packages, including programming and control software, dynamic 3D graphic simulation software, curriculum, manuals and a full range of end effectors, peripheral devices and workcell accessories.



Intelitek is a world-leading developer and producer of engineering and manufacturing technology training systems. Our broad product line spans lab equipment for CAD, CAM, CNC, Robotics, Machine Vision, Hydraulics, Pneumatics, PLCs, Sensors, Quality Control, FMS, CIM, and more. **Intelitek** supports its range of lab products with LearnMate, a complete E-Learning package that includes content modules, LearnMate's Learning Management System (LMS), and LearnMate Live/TrainNet, a live (synchronous) Distance Learning platform. **Intelitek's** unique Blended Learning approach offers a complete learning solution, with customizable packages for various levels of learning, including:

- State-of-the-art lab equipment for industrial-level "hands-on" training.
 - LearnMate e-learning content that enables students to experience a range of technologies through "virtual hands-on" practice, using high-level, interactive animations.
 - 3D simulation software that enables students to program and practice with industrial-level simulations of various manufacturing technologies and Environments.
- Solar Laser Systems** working With **Intelitek's** blended Learning approach provides the most resource-efficient solution for engineering and manufacturing technology training.

