

## PRESS RELEASE

---

### **Soft Servo Systems Announces the SMP Series, a New General Motion Control Solution**

WALTHAM, MA – March 1, 2005 – Soft Servo Systems, Inc. is proud to announce the SMP series, a new type of general motion controller with up to 16 axes of high-end general motion control, an industry standard soft PLC and a Windows-based GUI application in a single package.

The SMP series is ideal for motion control applications in the packaging, materials handling, pick and place, converting, food processing, laser cutting/engraving, plasma cutting, wood-working, and semiconductor industries. SMP products are offered for 4-axis, 8-axis and 16-axis applications.

SMP solutions offer great flexibility: developers can easily embed their motion programming within their customized application, using C/C++, Java, Visual Basic (Windows only), or Delphi (Linux only). The SMP Motion Development Kit includes motion and logic APIs with API source code and plenty of sample source code for quickly creating customized GUIs and motion control applications.

“We’re very excited about the SMP series.” says Boo-Ho Yang, CEO and President of Soft Servo Systems, Inc. “The SMP’s motion functions are superior to our competitors’ functions. Unlike our competitors’ products, the SMP includes integrated PLC – it even includes PLC axes. Instead of proprietary motion programming languages, we offer programming in open standard languages like Java and Visual Basic, which are superior by virtue of their easy programming.”

Like all of Soft Servo's products, the SMP is truly PC-based, making it more affordable than traditional motion controllers requiring motion control boards and/or PLC boards. A single PC performs all servo control, including feedback loops and NC path generation, as well as providing the user interface, data processing, plant monitoring, network communications, file management, and CAD/CAM. This host PC can run on Windows NT/2000/XP/XPe, with a real-time extension to the operating system.

This innovative, PC-based soft motion with real-time technology provides superior motion control performance by fully exploiting the super-fast, super-precise (double-precision floating point) computation power of today’s ordinary PCs — computation power which, until recently, was available only with high-end powerful and expensive computers. SMP products harness the ever-improving CPUs in computers: as the speed and power of CPUs increases, so does the speed and power of an SMP product.

With the SMP's PC-based technology, users can also take advantage of remote diagnostic and troubleshooting capabilities, sophisticated or simple user interfaces, connectivity to enterprise networks, off-the-shelf PC technology, and integration with third-party Windows-based software, such as vision systems or statistical process control software.

LadderWorks, the soft PLC bundled with SMP, provides industry standard ladder logic control with axis modules: independent and individual positioning of PLC axes. LadderWorks includes a console for creating, editing, compiling, monitoring and debugging sequence programs, as well as helpful PLC utility tools.

All SMP products include the SMP Console, a free and friendly Windows application for setting up, tuning and running an SMP system. The SMP Console also offers an optional memory mode operation to program and run motion programs with a G-code like motion programming language.

Alex Sierra, Sales and Operations Manager of Soft Servo Systems, Inc., says “The SMP provides guaranteed performance, soft PLC, fast commissioning, network connectivity, the flexibility of easy reconfiguration, and remote diagnostic capabilities – all for less than the cost of comparable motion controllers that don’t offer all of these features.”

#### **About Soft Servo Systems, Inc.**

Soft Servo Systems, Inc., founded by MIT professionals, is the leading provider of PC-based motion control products that use a single host CPU to perform all real-time control operations. Soft Servo Systems was the first U.S.-based company to introduce PC-based, open architecture CNC for lathes, machining centers and laser cutting machines. Soft Servo’s product lines include CNC and general motion controllers with VersioBus™ fiber-optic, IEEE 1394 or MECHATROLINK™ servo communications. More information is available at [www.softservo.com](http://www.softservo.com).

#### **Press Contact:**

Leigh Sobran  
Soft Servo Systems, Inc.  
781-891-9555  
[lsobran@softservo.com](mailto:lsobran@softservo.com)