Single Module, Pick-and-Place HP 140 Series

Industry leading specialist for rotary tables and automation WEISS North America, Inc. (Willoughby, OH), continues to evolve its HP 140 Pick-and-Place series with a myriad of superior performance capabilities vs. traditional pneumatic systems. Key to its configuration is the integration of a horizontal and a vertical linear axis−all in a single module that can move directly to all points along these two axes.

The HP 140 series' highly dynamic linear motor drives are user-programmable in the Y and X direction. Configured in a uniquely compact, robust design, the series offers new possiblities for market applications such as: automotive supply, cleanroom, assembly technology, batteries, switches/sockets, and packaging.

Direct Alternative/Dynamic Difference

Whereas pneumatic systems traditionally require the purchase, set-up, and commission of two separate axes, the HP series overcomes these limitations by offering an integrated, preconfigured, turnkey system. These key advantages, in terms of variability and cost-effectiveness, are augmented by the high dynamic performance of the HP 140T Pick-and-Place units−offering fast acceleration of up to 40 m/sec2 and its' repeat accuracy of 0.01 mm.

Additional features of the HP 140T include a control system and automated lubrication concept. Complex commissioning and parameter setting procedures of standard commercial handling systems are also streamlined by leveraging the WEISS Application Software (WAS). Utilized for fast, convenient, and secure commissioning of all freely programmable WEISS components, WAS features a

highly intuitive and uniform graphic user interface.

Even faster integration into customers' systems is simplified by a high degree of interface compatibility including: Profi-Bus, CANopen, DeviceNet, RS-232, or Ethernet.

Evolving Possibilities
Having sold more than 1,000 units worldwide, the HP 140 series continues to evolve as users can now choose between several distinct product performance versions including:

- HP 140T: Up to 100 mm vertical stroke; up to 400 mm horizontal stroke
- HP 140T CLG: Certified to air purity class 6 in line with ISO 14644-1

Ultimately, the HP 140 series offers ready-for-installation, complete plug & play solutions that are maintenance free; delivering lower energy consumption in a flexible thin design for today's complex pick-and-place applications.

According to Roel Ossewaarde, Management for High Tech Mechatronics, L&P Group, "The HP 140 series from WEISS offers the best performance for time-critical handling applications. The unit is so easy to install and program that commissioning is no effort at all."

WEISS North America Inc.
888-934-7762; www.weissna.com [1]

Source URL (retrieved on *07/28/2014 - 2:31am*):
http://www.mdtmag.com/product-releases/2012/11/single-module-pick-and-place-hp-140-series?qt-video_of_the_day=0

Links:
[1] http://www.weissna.com