

Is this the smallest servo drive?

Andreas Melkus, Engineering and Sales Manager at SIGMATEK GmbH & Co KG, proudly shows his company's new modular servo drive, the DIAS Drive 100, at its launch in Nürnberg at the SPS/IPC/Drives show last November. A drive system that handles up to eight servo axes takes up 300 mm x 200 mm x 195 mm of control cabinet space. Whether or not this is the world's smallest servo drive might be a debatable subject, of course, but without a doubt the overall system size is very compact.

To cover all situations, there are two power supplies available. One is a single-phase supply for either 110V or 230V input voltages; it has a maximum output of 2.5 kVA; and the larger one is for three-phase 230V or 480V with an output of 5kVA.

Likewise, the drive modules come in one or two axis formats. They have a power range up to 2 KW, which Mr. Melkus says is ideal for packaging and material handling applications. The drives and the power supplies are mounted in the same rack. The photo shows the three-phase power supply on the left, with two single axis drive



modules and two two-axis drive modules.

Perhaps the most interesting feature of the DIAS Drive 100 system is that it can be fully integrated with the DIAS automation system and it uses the hard real-time VARAN bus to connect the drives with the machine control. CANOpen is an option.