

Regensburg Collaboration

## Assembly Cell of the Future

The special-machine manufacturer DEPRAG, located in Amberg, in cooperation with Siemens, Regensburg, developed a show demonstration machine of a particular type. Equipped with the most current A&D product highlights, the assembly cell demonstrates the entire performance-spectrum of the Siemens automation- and drive technology.

Air tools and screwdriving machines are the specialty of DEPRAG-SCHULZ GmbH & Co in Amberg. "We are one of the market leader world-wide for screwdriving- and feeding technology up to screw-size M6", explains André Nobbenhuis, special-machine design-department manager at DEPRAG. In order to demonstrate these areas of authority descriptively, the DEPRAG construction team developed together with the specialists from A&D VReg of North-Bavaria, a demonstration assembly cell to be exhibited in shows. The "assembly cell of the future" explains Mr. Nobbenhuis, assembles and impresses small knives. "Knives are generally not well suited for automatic assembly, because of the tolerance-deviations when attaching the blade to the handle", the design manager explains. According to the A&D Sales Representative, Mr. Johann Igl from Regensburg, the machine incorporates a tremendous amount of assembly know-how and naturally the most up to date A&D technology; from the standard PC with WinAC, the Simodrive 611U, and the linear motor of the type 1FN3, as well as a Profibus controlled safety technology "ASI Safety at work". Those compo-

nents represent the most current technology offered by A&D. Pro-Tool/Pro does the visual control of the machine and the new MOBIC TB, the "Palmtop" for the industry, handles the remote control.

hais reports. The assembly cell is built for the purpose to show the complete assembly spectrum offered by DEPRAG in the areas of automation and controller technology. To the customer, the machine will present a beautifully stamped knife.

Bernhard Lott



Picture: An "Assembly Cell of the future" developed by DEPRAG, equipped with A&D-Technology.

DEPRAG-design-department manager André Nobbenhuis (right) and Johann Igl, A&D VReg Sales Representative, take the machine into operation.

DEPRAG equipped the assembly cell with an EC-Electric Screwdriver Spindle with its own control, a new "Tampon" imprinter and a sorting device for the small parts (screws, sleeves, washers). "Thanks to the machines C-frame design, the cell can easily be integrated into a conveyor system", Nobben-