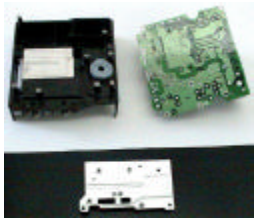
DEPRAG E-NEWS AUG 2008

Please visit our web site at **www.deprag.com**
Your confirmation that the content of this E-News has been read is required. Please click on the link below to respond.

DEPRAG DC-Spindle Screwdriving Station

Product to be assembled:
Motor Control Components

This interesting system was designed and manufactured for a market leading pump manufacturer in Denmark. It is a conveyor-integrated screwdriving system with an integrated DC-Spindle, which is being positioned by a 3-axis system. The work-area is 320 x 25 x 150 mm. [12.6 x 1 x 6 inches]. The parts are components of a motor-control, which will be installed at a later date onto a pump housing. Seven (7) different screws with different lengths and two different drives (Torx-10 and Torx-20) are processed. Seven feeders supply the screws into 2 distributors. Each distributor has screws assigned, having the same Torx-drive. Screws are subsequently fed into the corresponding mouthpiece. To each of the two mouthpieces belongs a bit with a quick-change feature, which is accessed by the DC-Spindle to accomplish the screw assembly.



The part is transported by a conveyor-system and is positioned to the assembly station using a conveyor integrated lift/locate unit.

The retrieval of the respective program is accomplished by a signal from the customer control to our motion controller MC183.

There are a total of nine screw positions per part, with three different screws types and a total of two different Torx drives.

The cycle-time for one complete assembly is 30 seconds.