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Updates for Sinumerik 828D and 840D sl controls to optimize milling processes

- **New version SW 4.8 SP3 release for Sinumerik 828D and Display Manager for Sinumerik 840D sl**
- **External PC remote control for 828D enables operation via external PC with Sinumerik Operate**
- **828D operation simplified by multi-touch display and side screen**
- **Second control channel and Collision Avoidance Eco simplify handling**
- **New Display Manager for 840D sl enables integration of standard and machine-specific functions into user interfaces**

Siemens has updated its proven Sinumerik 828D and 840D sl machine tool controls. For 828D, a software update SW 4.8 SP3 with Panel Processing Unit (PPU) 4 has now been released. Users benefit not only from exceptionally robust hardware but also improved connectivity through the ability to access central data and programs, increasing operating safety. Another feature of the update is an external PC remote control facility for the simplified connection of other authorized PCs via Virtual Private Computing (VPC). In addition, the application for MindSphere ManageMyMachines now enables connection of Sinumerik 828D controls to the cloud based open IoT operating system MindSphere. For exceptionally simple operation, Siemens offers Smart Operation, a robust multi-touch display used in conjunction with a side screen. The CNC Sinumerik 828D now also offers a second control channel for use during milling operations, making available additional integration and control possibilities for automation systems or handling robots. Another invaluable feature is the Collision Avoidance Eco, which works on the basis of protected areas and distances which can be configured by the user. There is also a new update designed to make life more convenient for users of the Sinumerik 840D sl. The new Sinumerik Operate Display Manager allows the operator to fully

leverage the possibilities offered by larger widescreen monitors, as both standard and machine-specific functions can be integrated into the user interface. These innovations allow rapid and comprehensive access to all the relevant data and allow more efficient, simpler machine control, as well as speeding up and simplifying process workflows. This saves both time and costs throughout the entire milling process.

The Sinumerik 828D hardware is exceptionally robust. Its performance has been specifically tailored to the needs of the mid-range machine segment and to the work typically carried out in small and medium-sized machine shops. The facility for remote access to connected PCs enables the user to pull the PC display over to the panel and so remotely access any data and programs stored there. Working at the panel, the accessed data can be rapidly exchanged in the network over the high-speed 1-GB-Ethernet connections. Using the multi-touch Smart Operation panel in conjunction with the new side screen, displays and active elements can be simply shown on screen, and modules are available from a preconfigured library to enable determination of the machine status. The side screen navigation allows additional windows to be opened or closed on the right or left of the main monitor. Particular benefits of the new touch sensor are its outstanding resistance to electromagnetic interference and its ability to recognize and ignore contact by the ball of the thumb, so preventing unintentional operation.

The new Display Manager for Sinumerik 840D sl allows individual operating concepts with significantly extended functionality to be implemented with minimum effort by the machine operator. The monitor surface can be divided into a number of display areas and the arrangement of their contents individually configured. Each different display area can be provided with its own menu, which can be populated with any optional touch buttons. Another feature of the Sinumerik Operate Display Manager is the familiar multi-finger control we all use on our smartphones and tablets – enabling faster, more intuitive working. This makes it ideal for use on large displays with multi-touch capability like the 22 inch Sinumerik blackline plus panel.



Siemens is upgrading its proven Sinumerik 828D and 840D sl machine tool controls.

This press release and press pictures are available at

www.siemens.com/press/PR2018090287DFEN

More information on Siemens at the AMB 2018 is available at

www.siemens.com/amb and www.siemens.com/press/amb2018

Contact for journalists

Katharina Lamsa

Phone: +49 911 895-7975

E-mail: katharina.lamsa@siemens.com

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