

New software version extends the operating range of SINUMERIK 828D

- **SINUMERIK 828D with updated software version 4.7 and new PPU 2xx.3**
- **Powerful hardware and software now enable the compact computerized numerical control to be used with grinding machines**
- **SINUMERIK 828D controls two machining channels and up to ten axes/spindles**
- **Standardized SINUMERIK Integrate RunMyRobot /EasyConnect interface for easy connection of robots and machine tools**

Siemens has substantially extended the scope of functions of the SINUMERIK 828D with new hardware and software. The compact CNC is now equipped with the new software version 4.7 and the powerful PPU 2xx.3, and can control up to ten axes/spindles. SINUMERIK 828D offers a second machining channel for simultaneous machining with two tools. The update also widens the range of use of the SINUMERIK 828D, which, for the first time, can not only control turning and milling machines but also grinding machines. The standardized SINUMERIK Integrate RunMyRobot /EasyConnect interface also allows robots to be connected to machine tools quickly and easily via the CNC.

First of all, this further development of the compact SINUMERIK 828D offers higher productivity and better machine tool performance to the user. The SINUMERIK 828D V4.7 provides the option of running two machining channels in turning and circular grinding machines. Users can execute two NC programs simultaneously in independent channels, or synchronize them in the simplest way with ProgramSync.

In this way, two workpieces can be machined at the same time in one machine, for example for the simultaneous machining of their rear sides in the counter spindles. Two tools can also be in action simultaneously on the same work piece in order to rough at double the cutting rate, or to rough and finish at the same time. In this way, the new Siemens CNC increases the throughput of workpieces while at the same time improving machining precision. The G-Tech software version is available as from the current SINUMERIK 828D V4.7 software version. It helps the machine manufacturer to design compact grinding machines with up to ten axes and two machining channels. SINUMERIK 828D also offers grinding machine manufacturers functionality such as grinding cycles and tailor-made tool management.

SINUMERIK 828D V4.7 also offers comprehensive protection of cycle know-how, which prevents unauthorized access to sequences preprogrammed in the factory. Custom-made user interfaces can use new programming elements, such as dialog windows to indicate progress and concealed password entry, which make the implementation especially user-friendly.

SINUMERIK 828D V4.7 also has the standardized SINUMERIK Integrate RunMyRobot /EasyConnect interface as standard. This interface enables robots to be connected to machine tools quickly and simply via the CNC. As the interface is open for all machine tool and robot manufacturers, any combination of machine and robot is possible, providing they both support the interface. The updated SINUMERIK 828D has an optional, integrated OPC UA server to connect machine tools to higher level production networks. This provides data access directly via Ethernet without needing an intermediate industrial PC.

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