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PM PRODUCTS



Sanicro 825 Alloy Designed for Corrosive, High-Temp Environments

Sandvik's Sanicro 825 (UNS NO8825) is a nickel-iron-chromium alloy in bar and hollow bar, for improved performance in corrosive, high-temperature environments. The alloy extends the company's growing Sanicro portfolio of nickel alloys and austenitic stainless steels for aggressive wet, corrosive and high-temperature, pressure, acidic and seawater conditions. The material is a high-strength alloy with minimum 40% nickel content, which is said to have excellent corrosion resistance to acids and alkalis, superior resistance to stress corrosion cracking (SCC) and good corrosion resistance

to phosphoric, nitric, sulfuric and organic acids, seawater, caustic chloride alkalis and ammoniac media.

Sandvik • materials.sandvik/en





Three-Spindle Machine Offers Greater Size, Power

Porta Solutions' 3-spindle PortaCenter 500 has the same machining concept as the 250 model, but everything about it is much larger. This flexible CNC machine has a 500-mm working cube and offers great power for removal up to 33 kW at the spindle. It also has an optional turning work module, with 24 or 40 tool positions. According to the company, this 3-spindle machine tool offers three times more productivity than a single machining center and more flexibility than a transfer machine by balancing automation and productivity. The flexibility of this system permits changeover in less than 15 minutes, improving the management of small- and medium-sized batches. The machine is designed for 360 degrees of automation, enabling unmanned shifts at night or day. The machine's self-monitoring systems include tool wear detection, vibration control and temperature control.

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