



Press Information

‘The sound of higher productivity’ – as Sandvik introduces new generation Sanmac[®]

Sandvik launched new generation Sanmac[®] at IMTS in September, offering a stainless steel material which can significantly increase machining rates.

Year on year Sandvik Research & Development has applied and tested process improvements upgrading the melt of Sanmac material. The result is the introduction of new generation Sanmac, a dedicated stainless steel material available in a range of grades that not only offer machinability at similar rates to carbon steel, but also exhibit excellent chip breaks and have consistent machinability from heat to heat and lot to lot. Thus greatly reducing operator set up times.

“In the past, when machine shops change from machining carbon steel to stainless they had to slow down the machining speeds and change settings due to frequent vibration, chatter, gumming of tools and poor chip breaks,” explains Sandvik global product manager Viktor Stefansson. “Now, with new generation Sanmac, machining speeds of up to 240 m/min are achievable as a result of the material’s consistency. And you can actually hear the difference! Couple this with the use of Sanmac hollow bar and machine shop productivity gains of up to 20% are achievable.”

“Replacing solid bar with hollow bar eliminates the need for trepanning, when producing components with a central bore, which causes material to work harden and is detrimental to subsequent machining operations,” explained Sandvik product manager Dave Shollock. “Using near-net-shape hollow bar available off-the-shelf from our distribution center, customers gain an immediate productivity advantage removing a complete operation along with all the associated costs.

“In one customer case, selecting Sanmac hollow bar meant they were able to triple production machining three components in the time it normally took to produce one from solid bar.”

The company works in close collaboration with sister company Sandvik Coromant, developing stainless bar and hollow bar materials concentrating on enhanced machining capabilities, such as increased speeds, improved component finishes and consistently longer tool life.

Further information on Sanmac bar and hollow bar, along with the complete range of Sandvik material grades and product options, can be found at:

www.smt.sandvik.com/en/products/bar-and-hollow-bar/hollow-bar/

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Image caption: Sanmac[®] stainless steel hollow bar from Sandvik offers significant increases in machining rates.