**SEPTEMBER 2022 | AMB STUTTGART**

**New Horn coating RC2 / RC4**

With the new RC2 and RC4 coatings, Paul Horn GmbH is exhibiting new developments in the field of high-performance tool coatings. The high toughness and hardness allow the machining of steels at high cutting speeds and lead to a significant increase in tool life. The high temperature resistance enables productive use in dry machining as well as with minimum quantity lubrication. Numerous tool systems are available from stock with the new HiPIMS coating. In-house coating enables fast delivery times even for special tools.

Horn is constantly investing in new and modern technologies. In 2015, the company CemeCon delivered the world's first of three HiPIMS systems to Horn. The High Power Impulse Magnetron Sputtering technology brings specific advantages and new possibilities in the coating of precision tools. It enables the build-up of dense, compact coatings that are very hard and tough. The coatings have a homogeneous structure and uniform coating thickness even if the tool geometry is complex. Research and development of new and existing coatings and technologies is a central component of success. Horn employs a team of engineers who work exclusively on this subject. Since in-house coating started, research and development projects have been carried out in cooperation with equipment manufacturers.

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**photo caption:** With the new RC2 and RC4 coatings, Paul Horn GmbH is exhibiting new developments in the field of high-performance tool coatings.

Source: Horn/Sauermann



**photo caption:** Horn is constantly investing in new and modern technologies.

Source: Horn/Sauermann

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