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**Nukote Coating
Systems International**



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*The annual listing of 10 companies that are at the forefront of
providing surface technology solutions and transforming businesses*

Nukote Coating Systems International

Comprehensive, Customized Coating Solutions

Nukote Coating Systems International (NCSI) is renowned for its comprehensive range of surface solutions, protective coatings, and ancillary products. Unlike its competitors, NCSI uses advanced polymer technologies such as elastomeric polyurethanes, elastomeric polyureas, ceramic metal epoxies, quartz nano, and colloidal silane in its offerings. Sanaz Ghalambor, Engineering and Technical VP of NCSI, says, “These technologies enable us to cater to the specific applications and special surfaces for our clients from heavy industries such as power generation, mining, petrochemical, and water systems, among others.”

NCSI has strategically built its manufacturing units in the US, Brazil, Saudi Arabia, and India and has partnered with its parent company to produce 400,000 liters of elastomeric polyurethanes and polyurea products every day. “We design, manufacture, and

distribute customized solutions for surfaces that include concrete, steel, stainless steel, brass, wood, plastics, and rubber,” adds Sanaz. The solutions not only prevent corrosion of metals but also can optimize the reflection of light on a surface in the sensitive optical environment. In addition, the company’s agile and flexible nano coating solutions allow clients to improve the time to market of their products.

Apart from its next-generation coating solutions, what differentiates NCSI is its client engagement strategy. The company backs its solutions with superior customer support services for seamless integration and smooth performance. At the outset, it carefully understands client requirements, designs the purpose-built solution, and develops unique methodologies for integration and quality assurance before it is deployed for a specific application in the client environment. Throughout the process, the company’s advanced robotic systems play a crucial role in driving the speed of adoption and operational flexibility while reducing the overall complexity. Besides, “We provide supply and apply warranties that instill greater confidence among our clients in using our solutions to the maximum,” says Doug Foster, executive member, NCSI. To deliver quick value to its global clientele, the company leverages its partnership with certified contractors who support in reducing the friction at any stage, be it integration or maintenance.

Of late, NCSI has witnessed greater demand for its modified nano coatings for microbial control. To tackle the ongoing COVID-19 pandemic, the company has developed apt solutions that can stop its spread on surfaces. The solution is so thin that it is virtually invisible yet highly durable. So it can stop a virus or bacteria’s ability to replicate.



Doug Foster

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Sanaz Ghalambor

On the nano coating front, NCSI's adhesion primers are gaining traction in the market. The company's adhesion primer allows coating developers to build extremely robust coating systems without fearing the loss of adhesion

variable. The product excels at either fixing existing adhesion issues or filling gaps in the product line.

In a case study, a large leisure trailer manufacturer approached NCSI for a robust anti-corrosion clear coating that would bond directly with their polished aluminum surfaces. Because of the repulsive nature of these surfaces, the client was facing a tough situation in the form of poor anti-corrosion results. NCSI's coating system was successful in bonding directly with the polished aluminum. The solution had no impact on the aesthetic appearance of the polished surface, while also providing stellar anti-corrosion results. The high performance of the coating system has encouraged the client to use the system in their manufacturing to this day, a relationship that began seven years ago.

The credit for NCSI's success goes to its expert team. As a graduate polymer materials scientist, Sanaz brings core skills and knowledge to the table, guiding the team at the company to build smart solutions through their dedicated R&D lab. For the future, NCSI will continue to develop unique products based on the evolving client requirements, from solution planning to implementation. 