

March 15, 2023



Boeing Reveals Stealthy Tactical Cargo Plane

Boeing has revealed a new concept that would pair a cargo or tanker aircraft with a design that's more "survivable." New design features make the plane less visible in conflict zones, such as masking the view of exhaust from most angles.



Dive into the Rich History of 4 Groundbreaking Submarines

uch a submersible could ply the depths to discover unknown underwater secrets and even find lost treasure. Since then, submarines have gone on to be used by the military. Here we explore four groundbreaking submarines from around the world.

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Super High Response Speed Servo Valve

With "Dual Halbach Magnet Array" configuration, which makes the strongest magnetic field more than twice as much as the conventional model. Santest Direct Acting Servo Valve has achieved world-class highest frequency response speed of 800Hz. DA Series also has excellent contamination resistance. Find out more about how this patented servo valve works.

[Learn More](#)


Buzzsaw-Brandishing BattleBot Bets on Xometry for Breakneck Lead Times

In the action-packed TV show BattleBots, robot SawBlaze is prepared to burn through the competition this season. Team captain Jamison Go reveals the story behind the robot's evolution and how turning to Xometry for quickly sourced parts is giving them the edge they need.



Ford Returns to Formula 1

Believe it or not, it's been nearly two decades since a Ford vehicle appeared in a Formula 1 race. But that's about to change this season.

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TwinCAT Controller Redundancy: Controller redundancy with standard hardware components

Plant availability plays a crucial role in the process industry in particular, so building redundancy into automation technology designs is vital. This is why Beckhoff expanded its extensive range of solutions in this area to also include a software solution for redundant control operation: TwinCAT Controller Redundancy.

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What You Need to Know About Hard Anodizing Colors

The anodization of colors into metals, including aluminum components, has proven reliable in maintaining and improving the overall quality of the materials. Learn the process and benefits.

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Large Pumping of Condensable Gases with New Multi-Stage Roots Pumps

The pumps are designed for oil- and particle free applications in the pressure range between atmosphere up to 3x10⁻² hPa. With their built-in intelligence it allows high pumping speed at high pressure. The pumps from Pfeiffer Vacuum meet the requirements where clean and dry vacuum is needed like drying, sterilization, coating as well as semiconductor and R&D applications.

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Fish Scales Are in This Unexpected Product

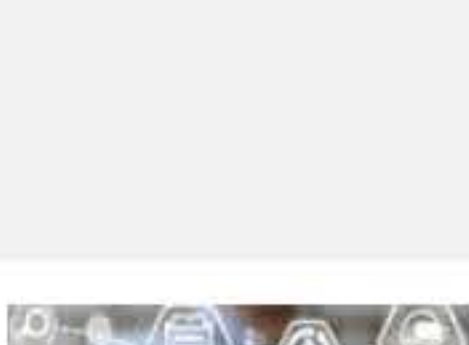
At this very moment, you may have fish scales on your lips, nails, or face. This article explains why.

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New Stainless Steel CNC Materials from Xometry

Explore all new stainless steel and resin options for CNC machining. Find cost-savings for 300 series steel, as well as new tempered steel options and ULTEM 1000. Get an instant quote today and build your big ideas with Xometry.

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How Can We Make Procurement More Relatable?

ETH Zurich scientists have developed a tiny gas sensing device that relies on olfactory tech to detect people caught in earthquakes or avalanches.

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