



The Precision Imperative: A Bostik Innovation Story

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Inside a bustling high-tech research facility, Elena stands before a high-precision assembly bench, staring at delicate glass and metal micro-components. The air is charged with focus as her team prepares to assemble their most intricate design yet, knowing that a single misplaced drop of adhesive could jeopardize the entire project.



For months, the workshop has wrestled with standard 1K cyanoacrylate dispensing tools. Peristaltic pumps and time-pressure systems constantly drip or clog mid-operation, leaving messy lines, uneven bonding, and mounting frustration across the factory floor.



Determined to find a foolproof solution, Elena dives deep into the technical archives late into the evening. She searches for a technology capable of absolute volumetric control, where adhesive fluid delivery remains perfectly consistent regardless of pressure fluctuations.



Her search leads to Bostik's cutting-edge progressive cavity pump innovation designed specifically for single-component cyanoacrylates. The research papers reveal that volumetric technology provides unmatched micro-accuracy, far outperforming traditional moderate-precision systems.



Holding the centerpiece of the new pump in her gloved hand, Elena inspects the customized stator part coated in an advanced FFKM elastomer. This specialized elastomer lining provides extreme chemical resistance and low friction, preventing the stubborn cyanoacrylate adhesive from prematurely curing or clogging.



Elena meticulously mounts the new progressive cavity pump onto a high-precision automated robotic arm. She fastens an ultra-fine dispensing tip to the nozzle, aligning the laser-guided sensor over the miniature assembly track.



Next, she attaches a fresh container of Bostik high-performance 1K cyanoacrylate directly into the sealed feed line. The entire system, from protective packaging to nozzle tip, is built to safeguard the adhesive while maintaining perfect volumetric flow.



With a gentle touch on the control interface, Elena initiates the dispensing sequence. The robotic arm glides silently across the intricate circuitry, depositing perfectly uniform, micro-fine beads of cyanoacrylate adhesive with zero dripping and zero clogging.



Elena establishes simple, streamlined maintenance routines to keep the automated cell operating at peak performance. The FFKM-coated stator proves its resilience, turning once-stressful cleanups into effortless, predictable checks.



Standing proudly before the finished array of flawless, high-precision products, Elena smiles as the production line hums with continuous perfection. Bostik's volumetric dispensing solution has transformed industrial challenges into a triumph of engineering excellence.