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A new generation of precision

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Drawing from over a decade of customer feedback, operational insights, as well as mechanical refinements, the new generation NC714 from Nedschroef Machinery has been reengineered to deliver increased machine stability, component compatibility and production precision, as well as set a new benchmark for forming complex fasteners and parts.

Originally developed in 2008 and launched around 2016, the first NC714 set new standards in forming performance. The new generation preserves all the unique features of its predecessor but reinforces them with a series of high impact upgrades that respond to evolving customer needs.

Key mechanical improvements include a reinforced drivetrain and counterbalance to reduce unbalance and vibrations even further and a redesigned magnetic motor powering the linear feed and providing unmatched wire feeding accuracy, as well as a new improved oil cooling system, which provides better cooling and lubrication for the tools.

One of the most innovative developments of the new NC714 is its new impact cut-off system, now with adjustable cut-off energy, to enable fine tuning of the cutting force for different wire diameters and materials. The cut-off system features a cutting speed of 10m/s, which provides precision square cut off blanks, as well as a new spring design tested to exceed 15 million cycles.

Other unique features remain the same as before, including 100% synchronisation of the punch-side and die-side kick out pins and the mainslide movement, as well as the fully electronic controlled servo transfer able to pick up parts on the die-side and punch-side (in case of reversed forming).

“The new generation NC714 is more than an upgrade – it’s a carefully engineered leap forward. By enhancing stability, standardising components, and introducing new smart systems like the impact cut-off and servo-controlled plunger feed, Nedschroef Machinery reaffirms its leadership in cold forming innovation,” highlights the company. “For fastener manufacturers looking to push the boundaries of part complexity, with confidence in uptime and maintenance, the NC714 is the answer.”

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BLOG

Having spent a decade in the fastener industry experiencing every facet – from steel mills, fastener manufacturers, wholesalers, distributors, as well as machinery builders and plating + coating companies, Claire has developed an in-depth knowledge of all things fasteners.

Alongside visiting numerous companies, exhibitions and conferences around the world, Claire has also interviewed high profile figures – focusing on key topics impacting the sector and making sure readers stay up to date with the latest developments within the industry.

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