

PRESS RELEASE

25 SEP 2023

Nidec Machine Tool America to exhibit new machine at Motion + Power Expo in Detroit

New CF26A cut chamfer machine to make US debut

Wixom, MI, 20 JUN 2023 – Nidec Machine Tool America (NMTA), a division of Nidec Machine Tool Corporation of Japan, will exhibit the newly developed CF26A gear chamfering machine at the Motion + Power Expo, October 17-19, 2023. The machine is capable of fully automatic full tooth defined chamfering of gears up to 260mm in diameter. In addition, the companion ChamferX tools will be available for show attendees to review.

According to Scott Knoy, VP Sales for NMTA, “Nidec is excited to bring this new example of Nidec’s expertise in gear manufacturing processes, systems and tool engineering. The CF26A produces exactly defined chamfers on gears, from tip to root and through the root area as well. This is required by EV gears and most automotive transmission gears to reduce potential noise and provide consistent heat treatment results.”

Utilizing the Nidec cutting-edge tool design simulation software, specific defined chamfering shapes are created including tooth root and complete edges up to 1mm or more. The CF26A utilizes generating cutting with the specifically designed ChamferX cutting tools, eliminating burrs in the tooth and end face. The CF26A removes end-face burrs remaining from gear hobbing.

Nidec Machine Tool America offers a wide-ranging lineup of gear manufacturing machines: gear hobbers, gear shapers, gear grinders, gear shaving machines, gear skiving machines and gear chamfering systems. A Nidec group company, Federal Broach & Machine of Harrison, MI, is the distribution and service company for Nidec gear cutting tools.

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