Nidec
All for dreams

Gear Chamfering Machine

CF26A

The solution for high precision gear chamfering without burrs.

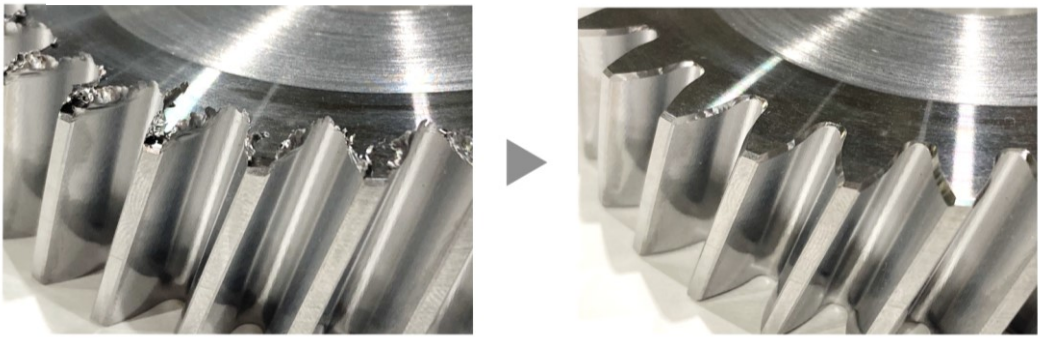
■ Chamfering -with High Speed, Precision and Efficiency-

- The CF26A utilizes generating cutting with our special ChamferX cutting tools, eliminating burrs in the tooth flank and end face.
- The CF26A removes end-face burrs remaining from gear hobbing.
- Using 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.

Cutting example

High-accuracy gears for Electric Vehicles

Before ▶ **After**

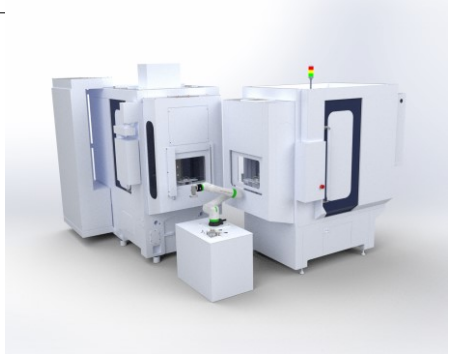


■ Automation

- Proven fully integrated automation systems according to customer's request.

  ✓ Robot

  ✓ Gantry Loader



NIDEC MACHINE TOOL CORPORATION

www.nidec.com/en/nidec-machinetool/

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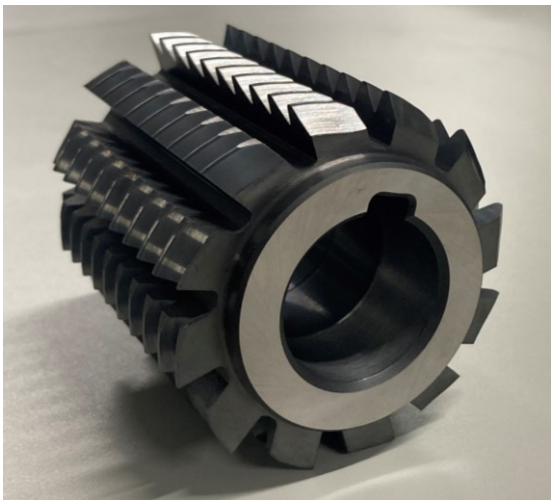
Special cutting tool

ChamferX



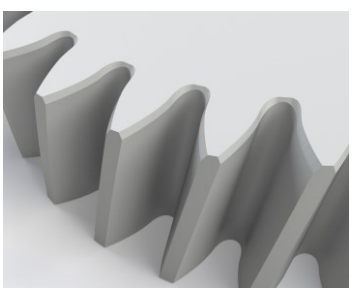
Provides ideal chamfering shapes based on Nidec's newly developed tool design simulation software

■ ChamferX

- For high-precision and high-efficiency cutting chamfering, we have developed special **ChamferX** chamfering tool exclusively for use with the CF26A.
- Using the cutting-edge tool design simulation function, the specified chamfering shapes are cut during the actual machining.
- With long tool life and simple resharpening and recoating, consumable tool cost is low.

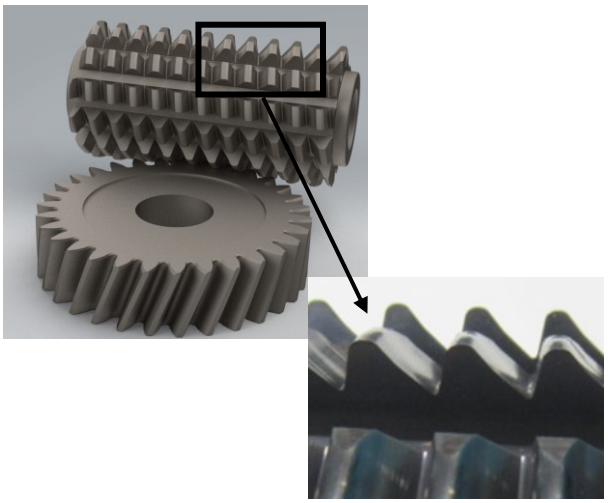
■ Mechanism

- ChamferX removes burrs in the end face of workpiece with generating cutting.
- State-of-the-art tool design simulation software creates the specific design of the special cutting tools.



Simulation result

Cutting result



Tooth profile

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