CoroCut® QD

Parting off in a new direction

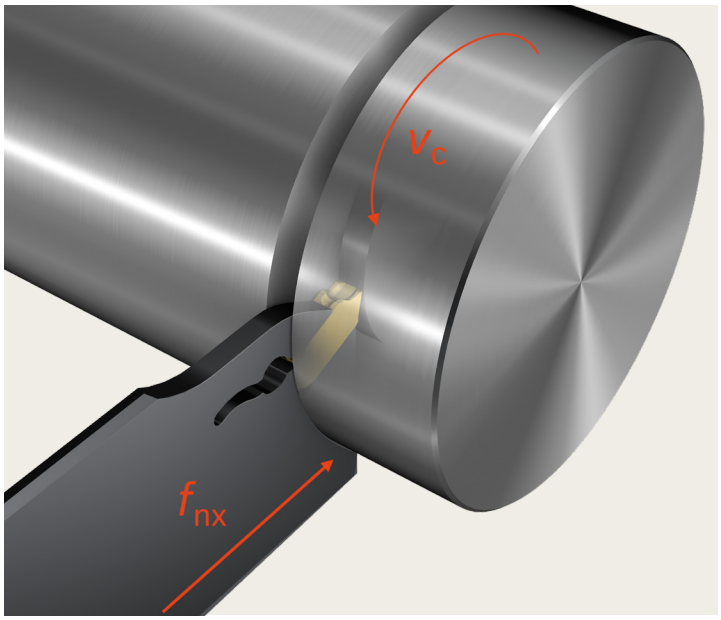
SANDVIK
coromant

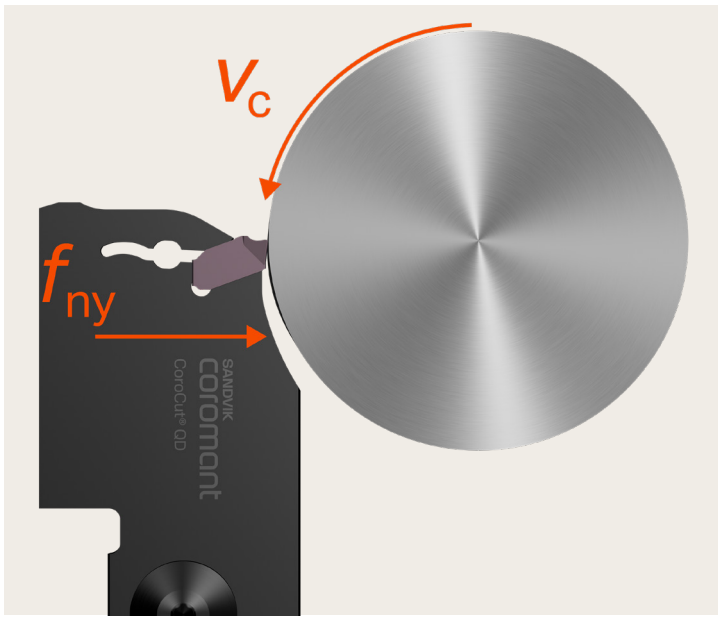
The most reliable system for parting off

CoroCut® QD for Y-axis parting includes all great features of CoroCut® QD, but with one important change: the insert pocket is rotated 90 degrees.

By shifting the resultant load to the strongest section of the blade, you get six times higher blade stiffness, which enables increased feed and longer overhangs without losing stability.

The tool design is now updated, providing easier set-up and trouble-free machining.





Conventional parting off

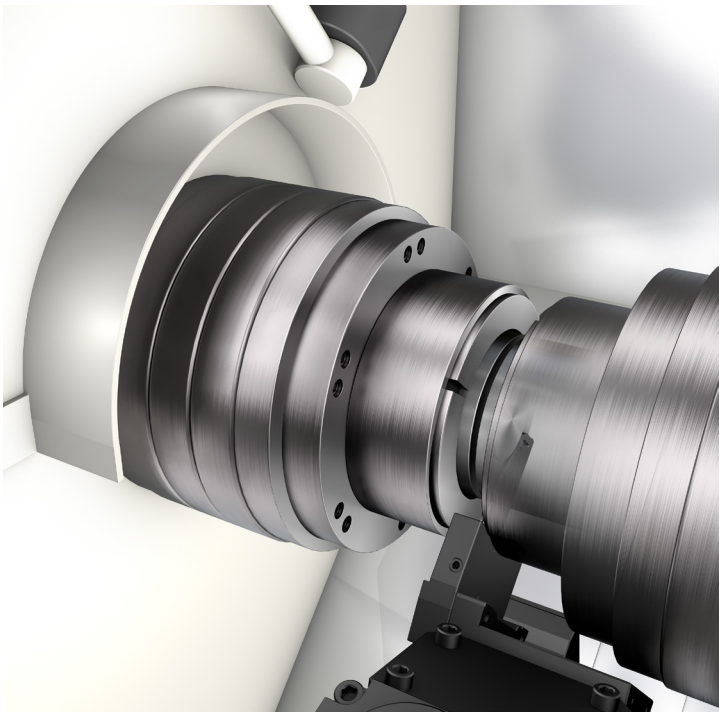
— Conventional parting off uses feed motion along the X-axis
— The resultant vector of cutting forces is directed across the weakest section of the blade
— High loads and strong exposure to deformation

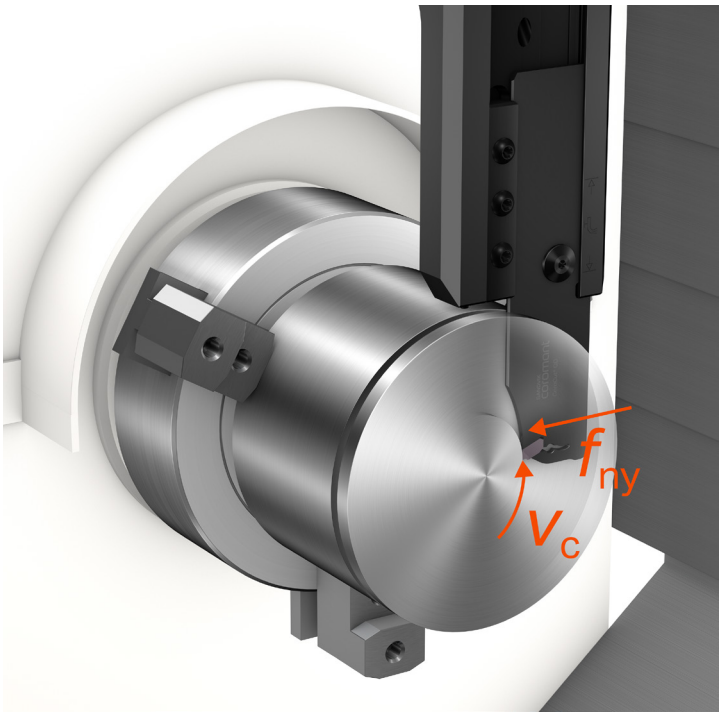
Y-axis parting

— CoroCut® QD for Y-axis parting is designed with the top face of the insert perpendicular to the blade
— The resultant load is shifted to the strongest section of the blade
— Deflection and noise are dramatically reduced

New upgraded design

— Widely extended assortment of blades and new shank tools
— New design
  — Easier set-up and machining
  — More stable against deflection caused by side forces
— New high feed insert
  — Wiper technology for excellent surface finish
  — 2–4 mm (0.079–0.157 inch) cutting width





Application

- First choice for parting off in turning centres and multi-task machines with Y-axis
- Parting off in sliding head machines
- Large diameters, up to diameter 120 mm (4.72 inch)
- Long overhangs to reach between main- and sub chuck

Benefits

- More than six times higher blade stiffness, which allows for significantly higher feed and longer overhang without losing stability
- Improved surface quality and straighter cuts
- Less vibration compared to conventional parting off means less noise
- Allows for parting off much larger diameters than what is possible today
- New design enables easier programming, set-up and machining

Learn more about CoroCut® QD:
sandvik.coromant.com/corocutqd

Authorized distributor

PRIME TOOLING

PRIME TOOLING (NZ) LIMITED
23C Rennie Drive
Airport Oak
AUCKLAND 2022

Email: sales@primetooling.co.nz Website: www.primetooling.co.nz