

Damage Reduction (DR)

Availability | Digitalization



Series

H

F

C

HF

Control

SIEMENS Solutionline

SINUMERIK ONE

In case of an accidental collision, e.g. between a tool and the workpiece, the feed axes are decelerated with the maximum available drive power. This helps to prevent damage to the machine from collisions.

Characteristics

- _ Braking of the feed axes with maximum available drive power in case of collision
- _ Interruption of the current machining operation
- _ Rapid collision detection before further damage is caused by force transmission of the drive, no additional sensor required

Benefits

- _ Damage limitation in case of collision: less consequential damage, lower repair costs
- _ More availability: extended life expectancy of the machine
- _ More safety: recognition by property insurers as a preventative measure