

Application example

Surfacing of an orthopedic plate
Application field: medical devices



Tool

Ball nose end mill
DIXI 7034, Ø 6 mm, Z=6, CUTINOX



Cutting conditions

Material	Medical titanium
Machine	Production centre
Lubricant	Emulsion
Cutting data	n = 16'500 rev/min Vf = 4'900 mm/min ap = 0.15 mm ae = 0.15 mm / 0.18 mm

Results

Increase of cutting speed
High level surface finish is achieved
Doubling of tool life to 800 minutes