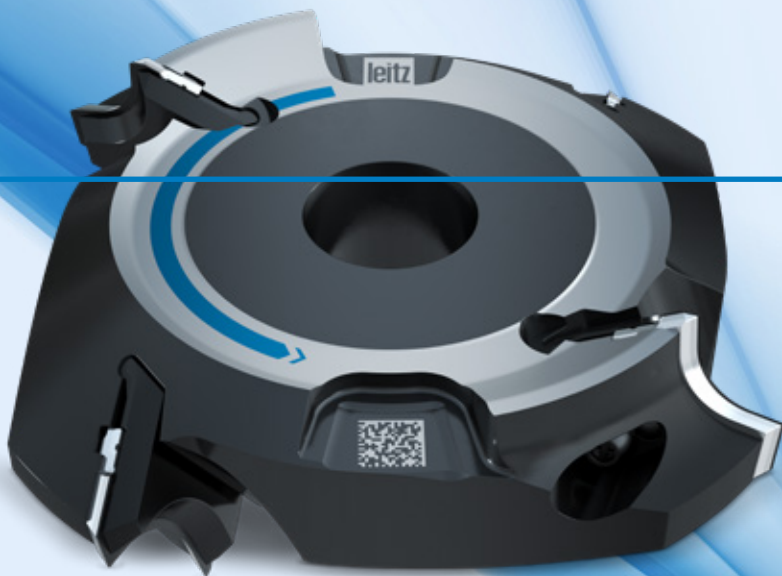


# leitz

## ProfilCut Q Diamond

Maximum performance  
for profile tools



ProfilCut  Diamond

**Abrasive materials or composite materials are not easy to machine due to their properties. Tool and cutting materials wear quickly, which in turn increases production costs.**

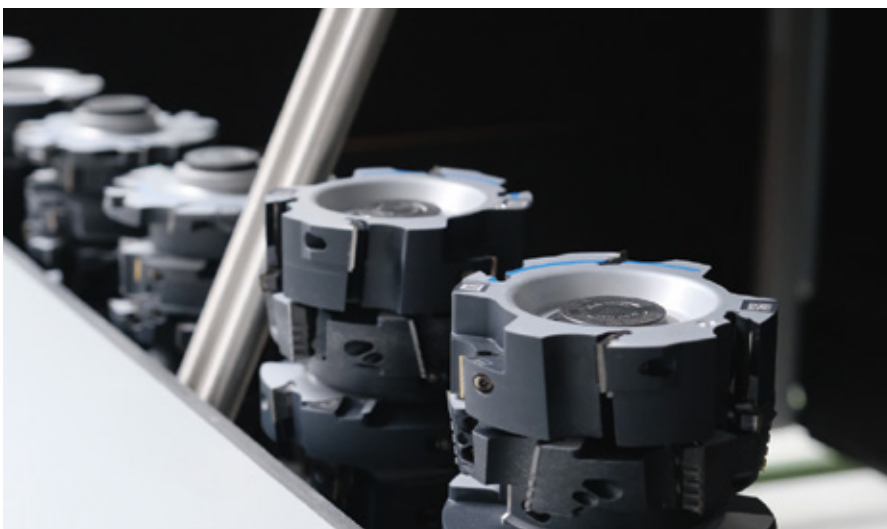
With the unique combination of an ultra-light aluminium tool body and resharpenable, profile and diameter-constant diamond changing knives, ProfilCut Q Diamond ensures efficient machining of abrasive materials. Precise and without loss of performance.

### YOUR BENEFITS

- Long lifetime
- Constant profile and diameter after sharpening
- Lightweight construction for high-speed applications
- Minimal set-up times
- Easy handling

### AT A GLANCE

- For cutting speeds ( $v_c$ ) up to 120 m/s
- Includes Data Matrix Code or RFID chip for networked communication
- 5 times resharpenable
- Especially suitable for systems with high part output
- Preferably used in wood derived materials, plastics, aluminium as well as fibre or layered composites



20 times

LONGER TOOL LIFE IN  
COMPARISON TO THAT  
OF TC TOOLS



-75 %

LESS COSTS PER  
RUNNING METER IN  
COMPARISON TO  
THOSE OF TC  
DISPOSABLE  
SYSTEMS



-50 %

SHORTER MACHINING  
TIME THROUGH  
INCREASE OF  
CUTTING SPEED



## Your benefits due to ...



### PRODUCTIVITY & EFFICIENCY

**More parts in less time  
and with less effort**

- 20 times longer tool life through diamond cutting edges compared to TC
- Reduce tool costs through six tool lives per knife
- 50% higher feed rate by increasing the cutting speed to 120 m/s
- Shorter set-up times through automatic knife positioning without setting devices
- Reduced maintenance effort and machine downtime through higher life times
- Maximum cost efficiency through the flexible use of disposable or resharpenable constant diameter systems



### RELIABILITY

**Constant machining quality  
and user-friendliness**

- Profile and diameter constant after sharpening
- Perfect precision repeatability after each knife service through precise, automatic knife clamping
- Knives can be changed in the assembled tool set



### QUALITY

**Maximum machining quality  
during the entire life cycle**

- Perfect finish quality due to low vibration lightweight construction
- Optimally matched TC grades can be combined with diamond

ProfilCut Q  
Diamond:  
The specialist for  
very abrasive  
materials.

