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ProfilCut Q System Group

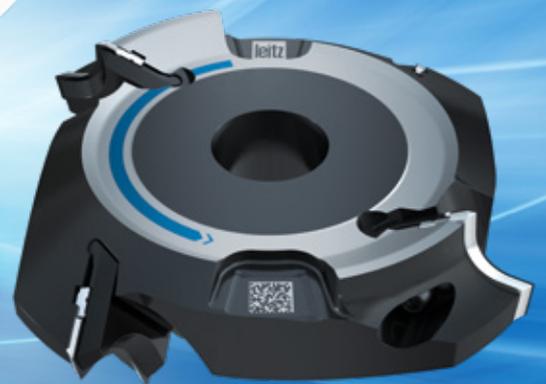
The multifunctional profile tooling system
for perfect finishes



ProfilCut 



ProfilCut  PLUS



ProfilCut  Diamond

The system with unbeatable versatility

Higher productivity? Better quality? More flexibility? The demands on a profile tool system for window, door or furniture production are high.

With the multifunctional tool family ProfilCut Q, exchangeable knife and resharpenable constant diameter systems, as well as carbide and diamond cutting edges can be optimally combined. This unbeatable advantage enables a tailor made and economic solution for any requirement which is unique within this scope.

YOUR BENEFITS

- Maximum performance and cutting quality
- Tailor made solution for nearly every requirement, every material and every machine



Your benefits due to ...



PRODUCTIVITY & EFFICIENCY

More economy through lower machining costs

- Higher parts output and reduction of the cutting time due to increase of the cutting speed (v_c) up to 120 m/s
- Longer lifetime due to innovative cutting material technology
- Shorter set-up times through automatic knife positioning without the need of adjustment aids
- Knife change possible in mounted tool set
- Low maintenance through dust protected clamping elements



QUALITY & RELIABILITY

Reduction of reject and rework due to surfaces in finish cut quality

- Perfect finish quality thanks to extra sharp cutting edges
- Vibrations removed due to high balance quality
- Better dynamics through light metal tool body
- Perfect repeat accuracy after each knife service thanks to precise, automatic knife clamping
- Low noise due to closed tool body construction



FLEXIBILITY

Tailor made solution for any requirement through multifunctional tool family

- Maximum cost efficiency through flexible use of exchangeable knife or resharpenable constant diameter systems
- Optimally matched cutting tool materials due to the combinability of carbide and diamond in the tool set
- Suitable for various working material such as solid wood, wood derived materials, plastics, aluminium, fibre composites and gluelam
- Applicable for all conventional moulders

ProfilCut Q

For maximum precision and cutting quality

Productivity	■ ■ ■ ■ ■ ■ ■ ■
Efficiency	■ ■ ■ ■ ■ ■ ■ ■
Quality	■ ■ ■ ■ ■ ■ ■ ■

ProfilCut Q PLUS

The resharpenable system supplement

Productivity	■ ■ ■ ■ ■ ■ ■ ■
Efficiency	■ ■ ■ ■ ■ ■ ■ ■
Quality	■ ■ ■ ■ ■ ■ ■ ■

ProfilCut Q Diamond

The specialist with diamond cutting edges

Productivity	■ ■ ■ ■ ■ ■ ■ ■
Efficiency	■ ■ ■ ■ ■ ■ ■ ■
Quality	■ ■ ■ ■ ■ ■ ■ ■

AT A GLANCE

- Tungsten carbide cutting edges with Marathon coating
- Applicable for solid wood, wood derived materials and plastics

AT A GLANCE

- Tungsten carbide cutting edges with Marathon coating
- Applicable for solid wood, wood derived materials and plastics
- 5 times resharpenable
- Constant profile and diameter after sharpening
- For high production volumes

AT A GLANCE

- Diamond cutting edges (PCD) for 20 times longer life time
- Applicable for wood derived materials, plastics, aluminium as well as for fibre material or gluelam
- 5 times resharpenable
- Constant profile and diameter after sharpening
- Wear-resistant tool body
- For cutting speeds (v_c) up to 120 m/s

ProfilCut Q Premium

Productivity	■ ■ ■ ■ ■ ■ ■ ■
Efficiency	■ ■ ■ ■ ■ ■ ■ ■
Quality	■ ■ ■ ■ ■ ■ ■ ■

ProfilCut Q PLUS Premium

Productivity	■ ■ ■ ■ ■ ■ ■ ■
Efficiency	■ ■ ■ ■ ■ ■ ■ ■
Quality	■ ■ ■ ■ ■ ■ ■ ■

AT A GLANCE

- ProfilCut Q features
- For cutting speeds (v_c) up to 120 m/s
- Tool body with wear resistant coating

AT A GLANCE

- ProfilCut Q PLUS features
- For cutting speeds (v_c) up to 120 m/s
- Tool body with wear resistant coating
- Particularly suitable for machines with high volume output



Technical features	Tool system group		
	ProfilCut Q ProfilCut Q Premium	ProfilCut Q PLUS ProfilCut Q PLUS Premium	ProfilCut Q Diamond
Max. diameter	600 mm	600 mm	600 mm
Cutting width	8-80 mm 8-120 mm with turnblade WP8	15-60 mm 8-120 mm with turnblade WP8	15-50 mm 8-120 mm with turnblade WP8
Tool body	Lightweight construction / steel	Lightweight construction / steel	Lightweight construction / steel
Min. diameter for boring tools	Zero diameter 85 mm for bore size 30 mm	Zero diameter 90 mm for bore size 30 mm	Zero diameter 90 mm for bore size 30 mm
Version with centre cutting	Yes	Yes	Yes



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