



VibroCut oscillate

Improves your manufacturing processes
and increases the efficiency of your production!



Oscillation-assisted turning - VibroCut oscillate



Product line - VibroCut oscillate

Innovative, retrofittable tool holders:

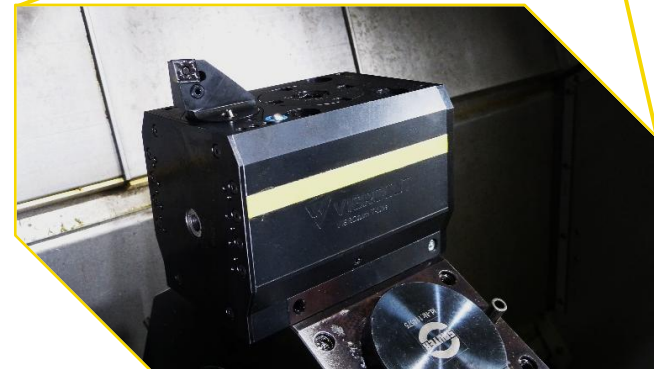
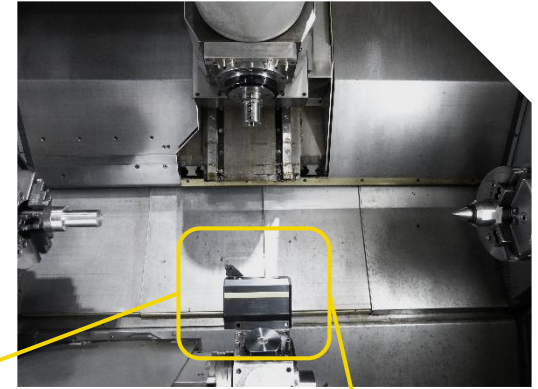
- Driven with live tool of the turret
- Rigid bearing of the tool holder
- Highest oscillation parameters

Performance parameters:

Vibration frequency:	$f_{\text{vib}} = 1...100 \text{ Hz}$
Swing range (adjustable):	$\hat{A} = 0...0.6 \text{ mm}$
Process forces:	$f_{\text{c, max}} = 9 \text{ kN}$

Unique position:

- Unique performance
- Gentle on the machine compared to control cycles
- Reliable and adjustable chip breaking
- Control-independent
- Flexible retrofitting independent of the machine manufacturer!

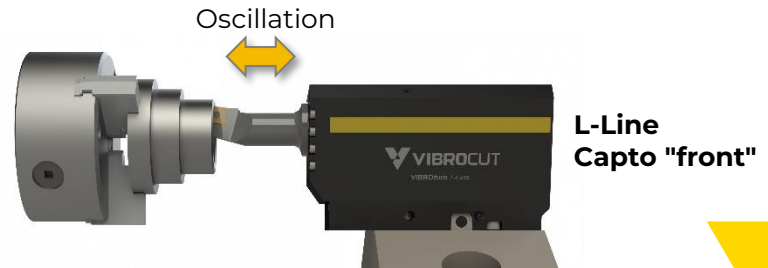
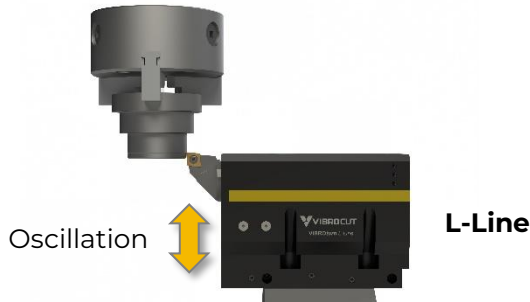
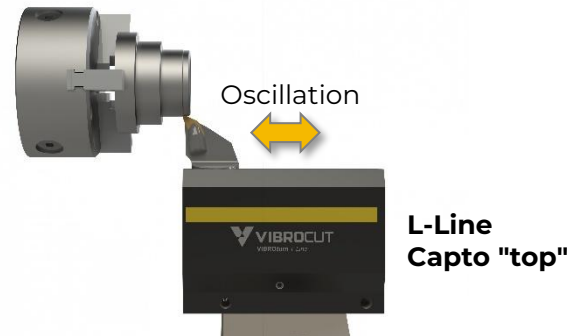
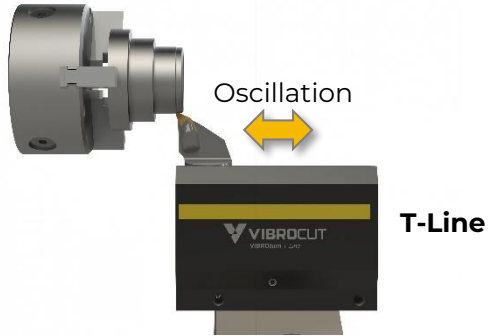


Oscillating system for turret axle

VibroCut oscillate - Tool holder variants

Different directions of movement

Different tool orientations



VibroCut oscillate - Tool holder variants

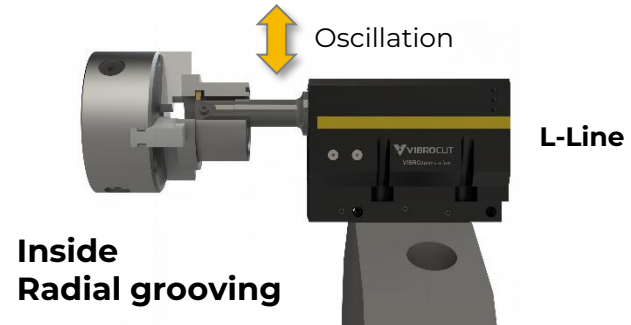
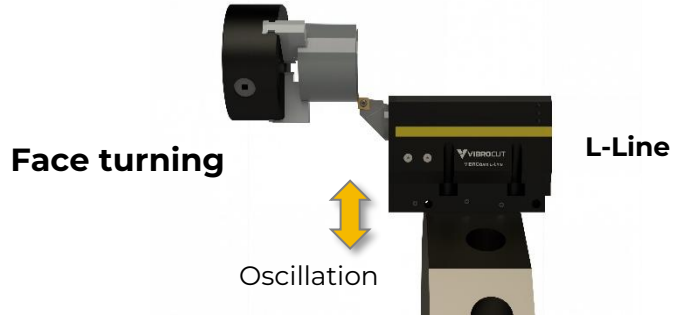
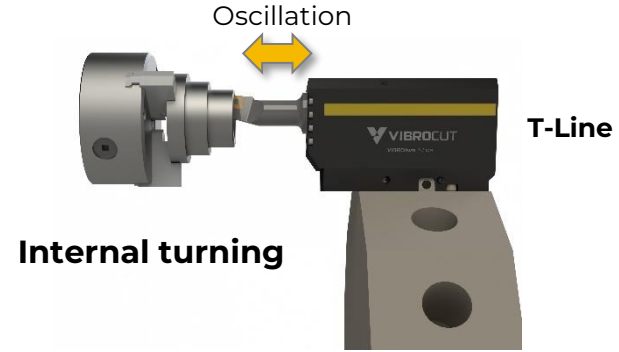
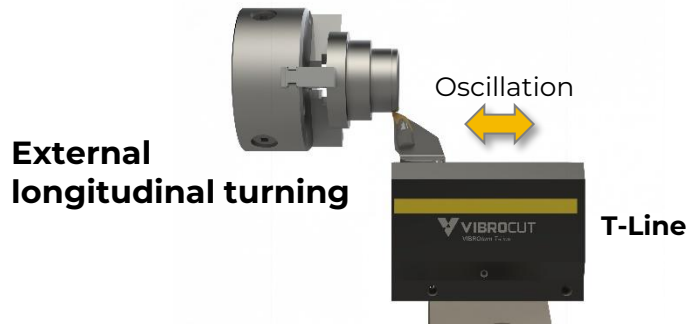
Various machine interfaces



Various tools and technologies

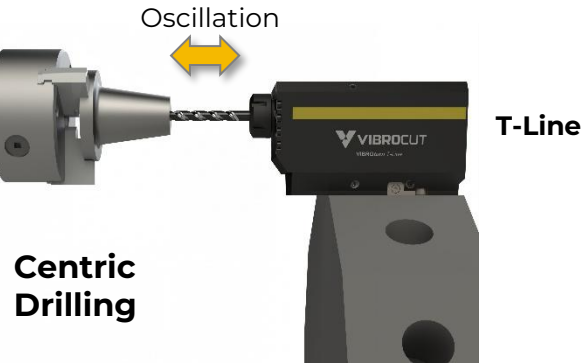
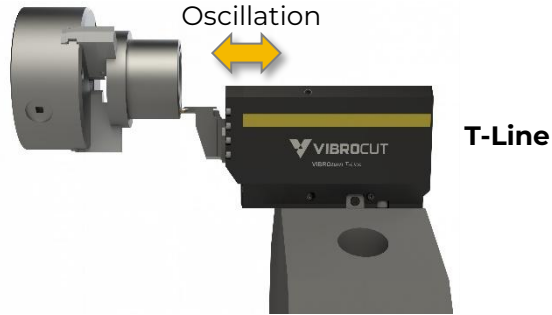


VibroCut oscillate - Process variants



VibroCut oscillate - Process variants

**Axial
grooving**



**Radial
grooving**



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T-LINE

Orthogonal oscillation direction towards the driving axle

Dimensions		Compact	Standard	Heavy
A		60...75*	96	110
B		85...90	110	140
C		90	115	145
D		65	70	75...80
E		70	90	119
F		75	100	128
G		50	64	75

Interface

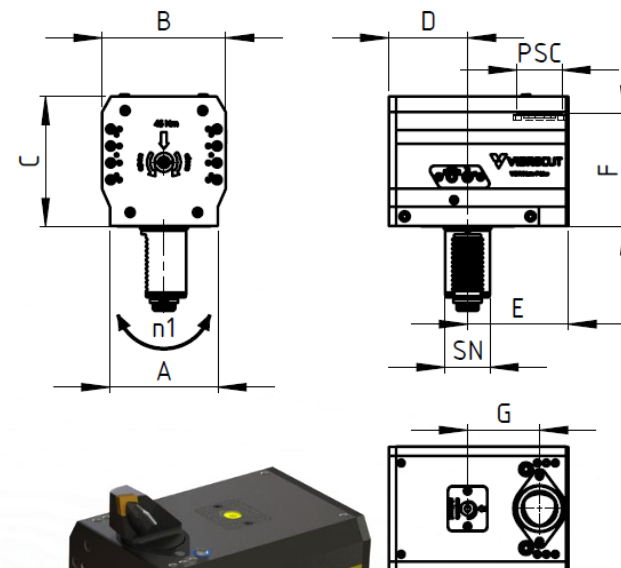
Machine interface**	Compact	Standard	Heavy
	VDI 25	VDI 40	VDI 60
	VDI 30	VDI 50	VDI 70
	BMT 45	BMT 55	BMT 65
		BMT 65	BMT 75

Couplings** Double d (DIN 1809,...), Gear (DIN 5480, DIN 5482,...)

Tool interface**	Compact	Standard	Heavy
	PSC 32	PSC 40	PSC 63

Specific information

Maximum frequency	100 Hz	100 Hz	60 Hz
Maximum Amplitude	0,4 mm	0,6 mm	0,6 mm
Coolant pressure (IKZ+AKZ)	20 bar	20 bar	20 bar
Process forces	5 kN	9 kN	12 kN



* depending on machine interface

** Special versions on request



Oscillation-assisted turning - VibroCut oscillate



L-LINE

Lateral oscillation direction towards the driving axle

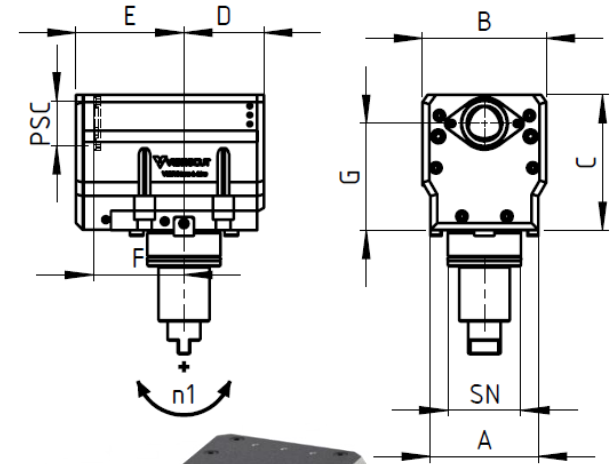
Dimensions		Compact	Standard	Heavy
A		60-75*	96	110
B		90	110	140
C		90	120	154
D		65	70	75
E		95	95	123
F		80	81,5	106
G		69	95	110

Interfaces

Machine interface**	VDI 25	VDI 40	VDI 60
	VDI 30	VDI 50	VDI 70
	BMT 45	BMT 55	BMT 65
Couplings**	Double d (DIN 1809,...), Gear (DIN 5480, DIN 5482,...)		
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* depending on machine interface

** Special versions on request

Contact details



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*"VibroCut combines
technique and technology
for hybrid machining"*