

OUR NEW PERFORMMAKER Z4 2XD ANNEX (EXM1-M01-0124)

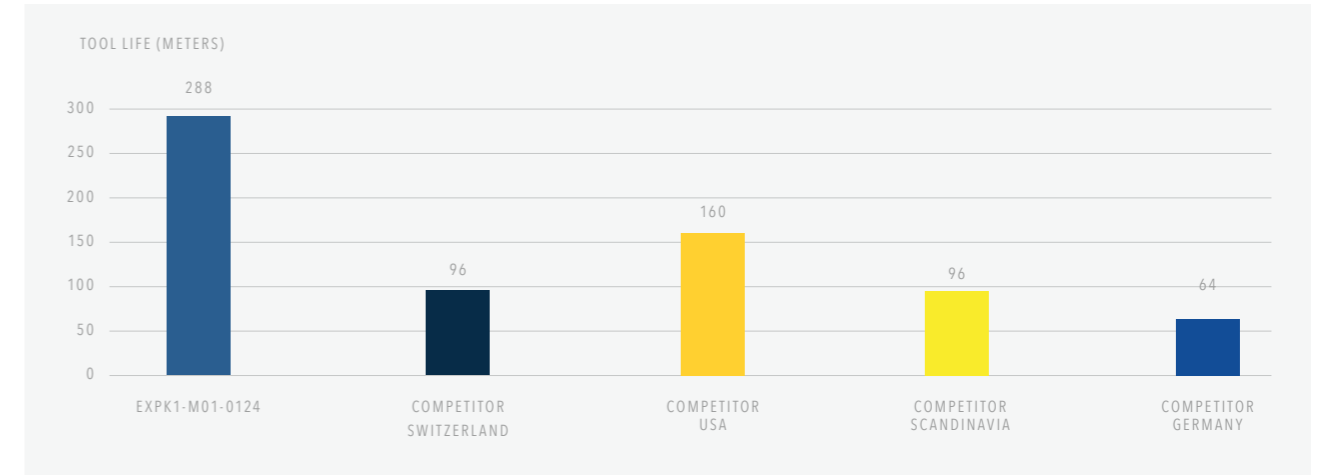
COMPARISON WITH THE COMPETITION

Comparison of tool life when trimming in V2A - 1.4301 (X5CrNi18-10)

During in-house tests carried out at our own research center, our new Performmaker came out on top in the comparison with its competitors.

Technical parameters for trimming

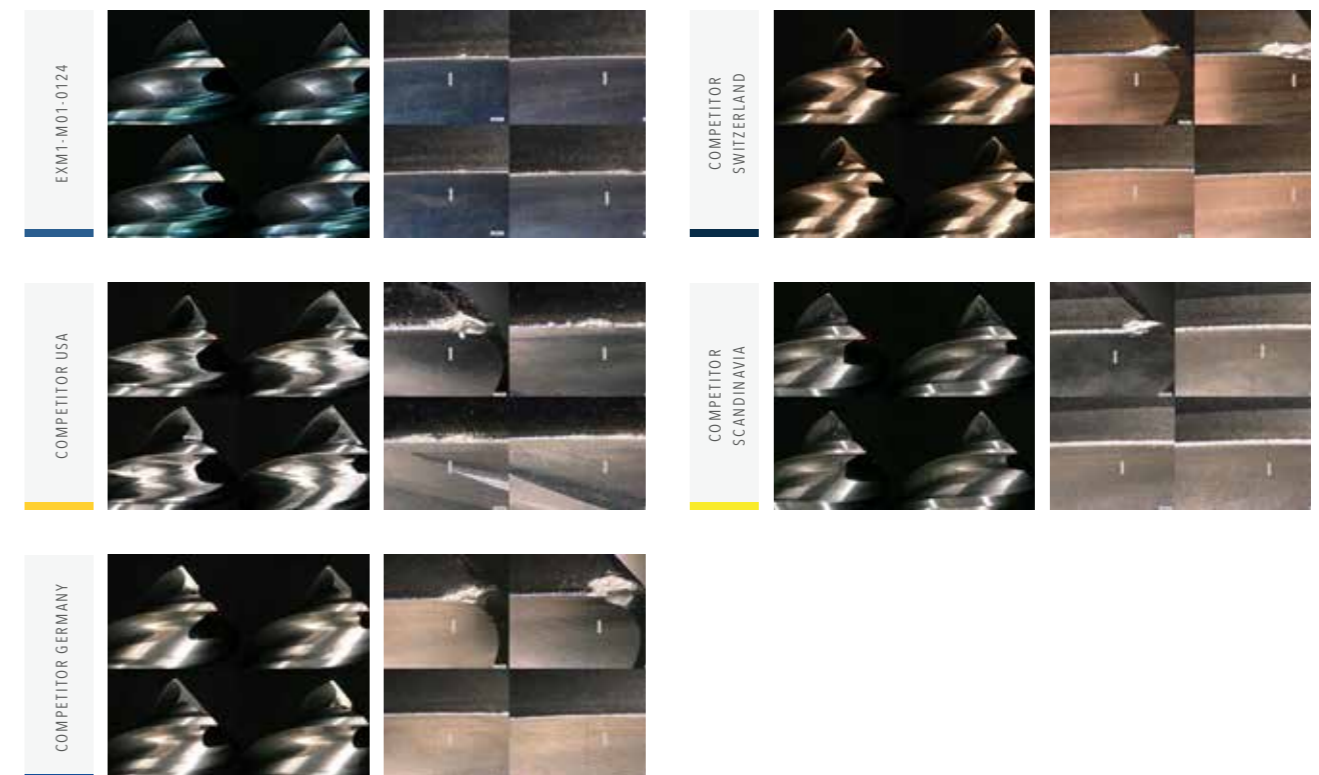
Vc	100 m/min
fz	0.062 mm/Z
ap	12 mm
ae	2.4 mm
Cooling	cooling lubricant



In addition to our EXM1 Performmaker Z4, these high-resolution photos also show our competitors' tools at the end of their respective service lives. Our Performmaker clearly stands out from our competitors' tools in terms of tool life and wear to its cutting edge.

TOOL LIFE CRITERION = WEAR OF CUTTING EDGE AND BREAKOUTS

End mill Z4 Ø12 2xD	Tool life in meters	Wear on cutting edge in mm (average)	Tool life in minutes
EXM1-M01-0124	288	0.06	438
Competitor Switzerland	128	0.11	146
Competitor USA	160	0.15	243
Competitor Scandinavia	96	0.10	146
Competitor Germany	64	0.16	97



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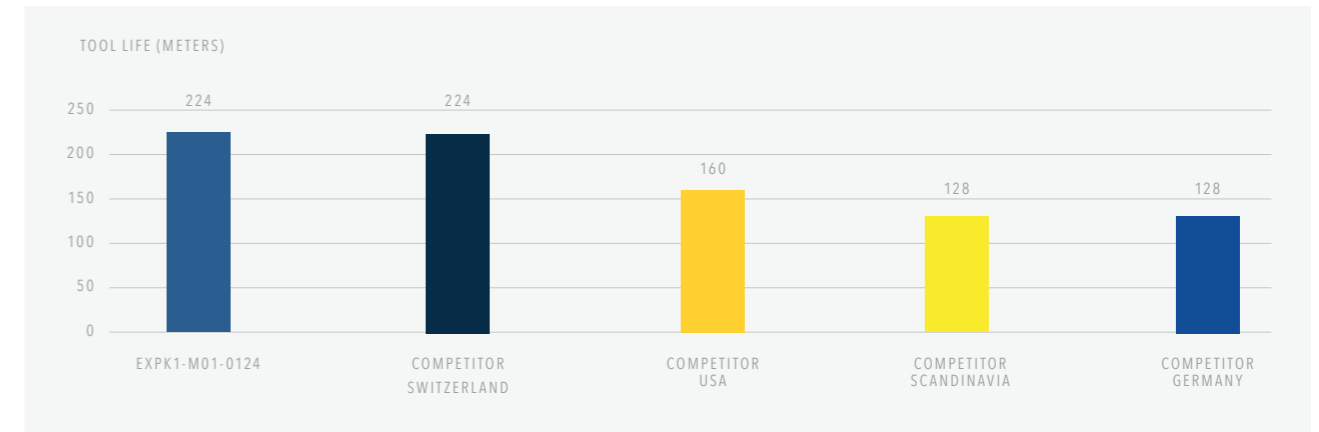
COMPARISON WITH THE COMPETITION

Comparison of tool life when trimming in V4A - 1.4571 (X6CrNiMoTi17-12-2)

During in-house tests carried out at our own research center, our new Performmaker came out on top in the comparison with its competitors.

Technical parameters for trimming

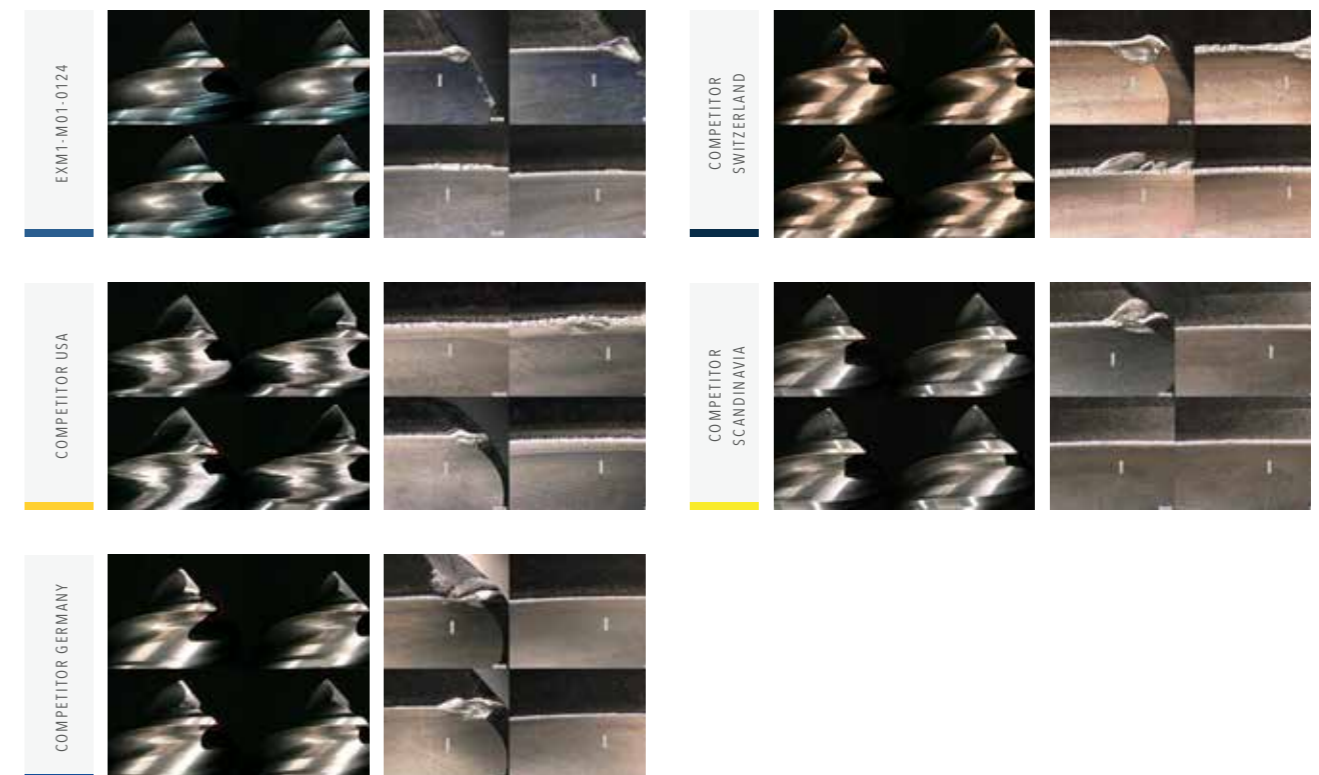
Vc	85 m/min
fz	0.062 mm/Z
ap	12 mm
ae	2.4 mm
Cooling	cooling lubricant



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TOOL LIFE CRITERION = WEAR OF CUTTING EDGE AND BREAKOUTS

End mill Z4 Ø12 2xD	Tool life in meters	Wear on cutting edge in mm (average)	Tool life in minutes
EXM1-M01-0124	224	0.16	401
Competitor Switzerland	224	0.24	401
Competitor USA	160	0.14	286
Competitor Scandinavia	128	0.15	229
Competitor Germany	128	0.12	229



OUR NEW PERFORMMAKER Z4 2XD ANNX (EXM1-M01-0124)

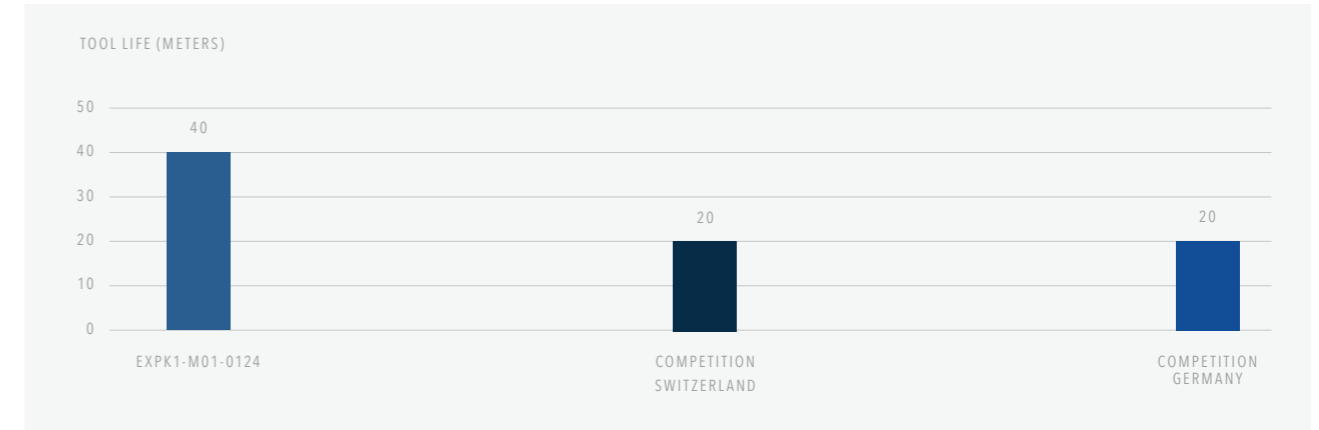
COMPARISON WITH THE COMPETITION

Comparison of tool life when trimming in Duplex – 1.4462 (X2CrNiMoN 22-5-3)

During in-house tests carried out at our own research center, our new Performmaker came out on top in the comparison with its competitors.

Technical parameters for trimming

Vc	75 m/min
fz	0.062 mm/Z
ap	12 mm
ae	2.4 mm
Cooling	cooling lubricant



In addition to our EXM1 Performmaker Z4, these high-resolution photos also show our competitors' tools at the end of their respective service lives. Our Performmaker clearly stands out from our competitors' tools in terms of tool life and wear to its cutting edge.

TOOL LIFE CRITERION = WEAR OF CUTTING EDGE AND BREAKOUTS

End mill Z4 Ø12 2xD	Standweg in Meter	Schneidkantenverschleiß in mm (Mittelwert)	Standzeit in Minuten
EXM1-M01-0124	40	0,12	80
Competitor Switzerland	20	1,00	40
Competitor Germany	20	0,09	40

