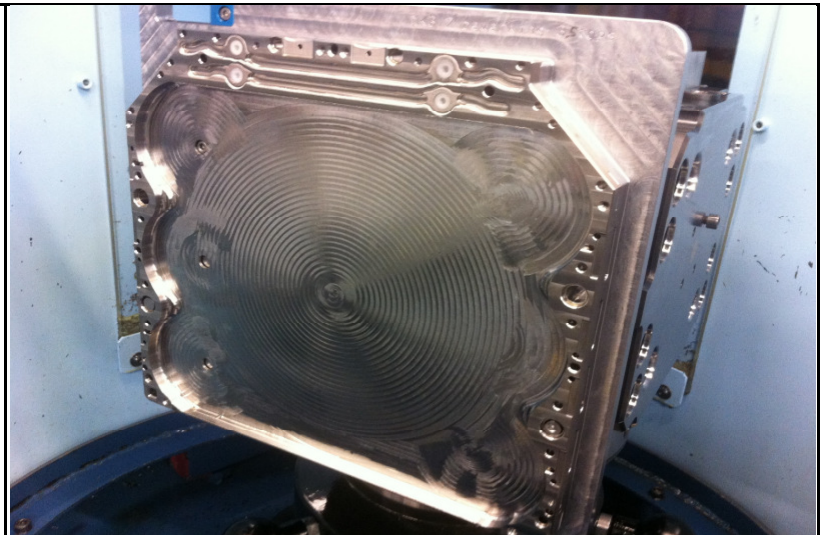


Machine	MAM72-35v	
Spindle type		
Max RPM	15.000	
Power Kw		
Cutter holder	Shrink	
Workpiece material	Titanium Grade 5	
Hardness		
Application		
Side milling	<input checked="" type="checkbox"/>	Conventional <input type="checkbox"/>
Slotting	<input type="checkbox"/>	Climb - Milling <input checked="" type="checkbox"/>
Profiling	<input type="checkbox"/>	Ramping <input type="checkbox"/>
Plunging	<input type="checkbox"/>	Circular <input type="checkbox"/>



Cutter supplier		
Cutter description		
Cutter diameter eff.	Ød [mm]	
Number of teeth	z	
Carbide grade		

Competitor	van Hoorn Carbide
	VHVTR 5 160 089 16 03 S
16	16
4	5

Cutting conditions	
Cutting speed	V _c [m/min]
Revolution	n [rpm]
Feed per tooth	f _z [mm]
Table feed	V _f [mm/min]
Depth of cut	a _p [mm]
Width of cut	a _e [mm]
Length of cut	L [mm]
Chip removal rate	Q [cm ³ /min]
Chip thickness	H _m [mm]
Coolant type	
Coolant pressure	P [Bar]
Cutting time / comp	T _{comp} [min]
Toollife	T _{total} [mtr]
Power consumption	P [Kw]
Edge wear	V _b [mm]
Successful	

40	85
796	1.691
0,080	0,060
255	507
6,4	6,4
2,4	2,4
3,92	7,79
0,03102	0,02322
dry / air / minimum lub. / emulsion	
Internal	External
Internal	External
440	360
Yes / Average / No	Yes / Average / No

Remarks

Material removal rate is almost doubled!

Costs per product are reduced with 11 €, which is 18%