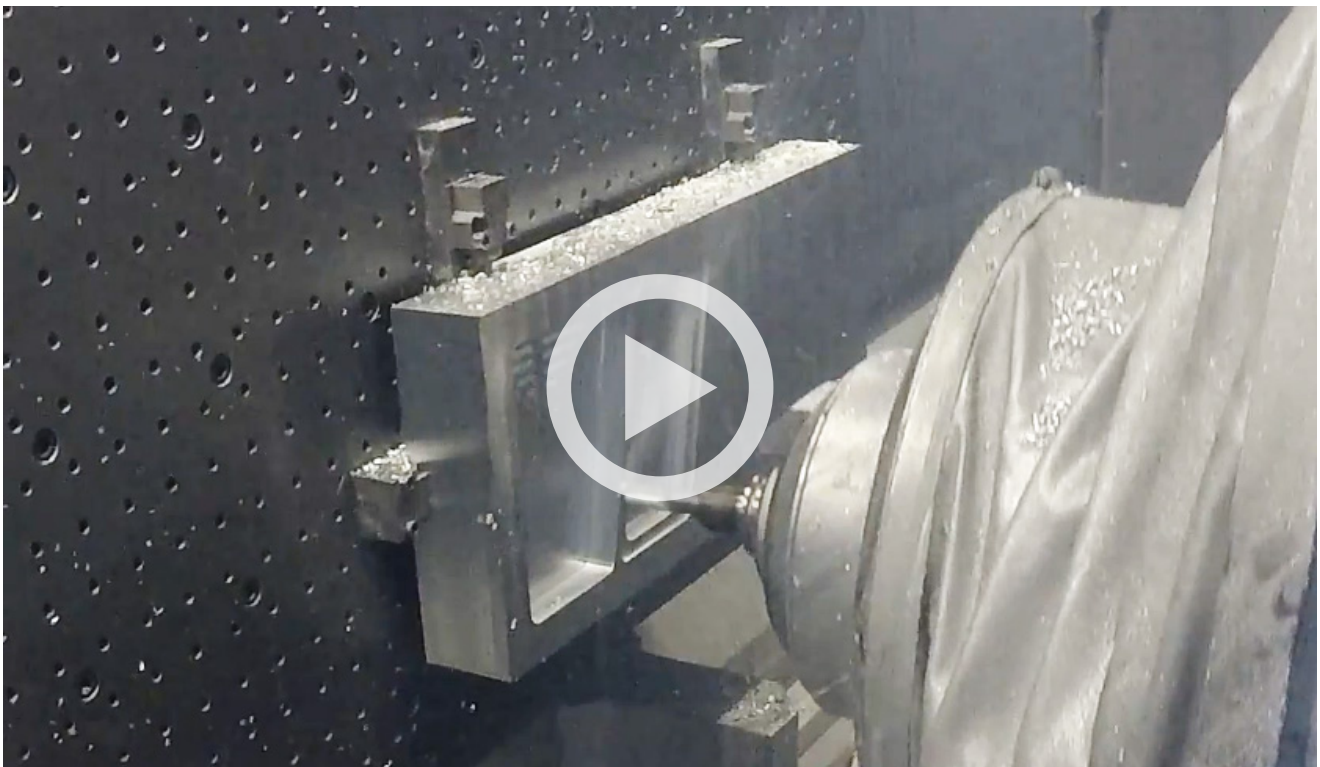




MACHINING ON DST ECOSPEED WITH MQL COOLANT



Mega Alu Power IC Test

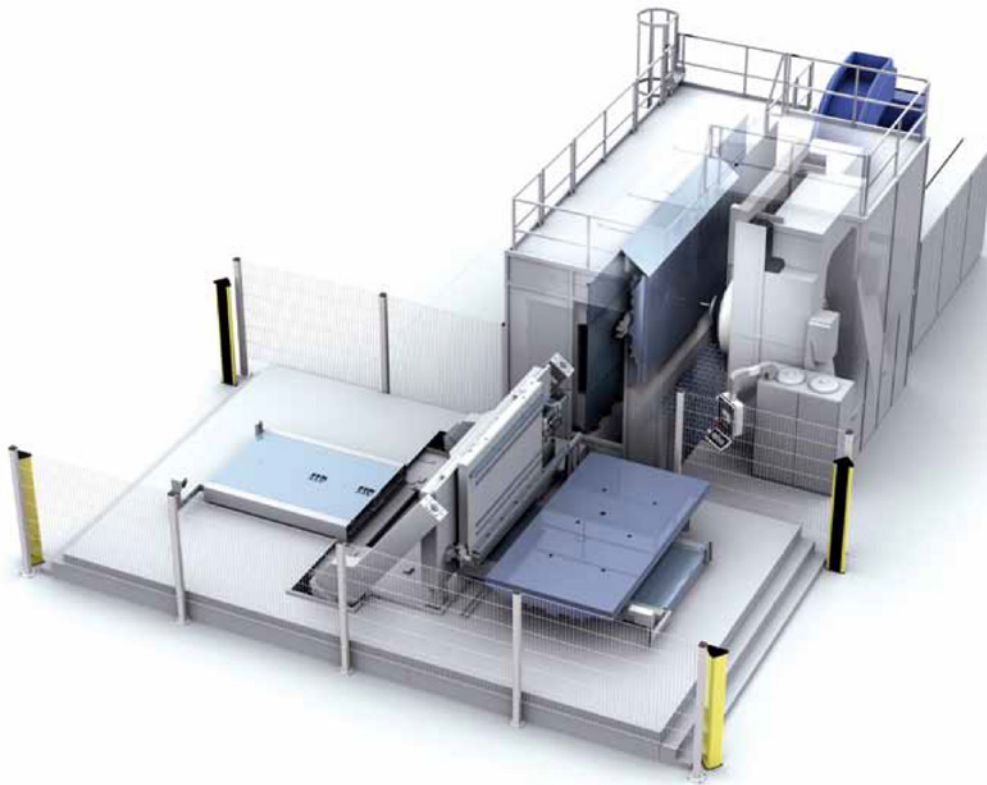


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DST ECOSPEED F

30,000 rpm • 125KW • HSK63A FM80 • MQL Coolant



PALLET	Length (X-axis)	3,500 mm
	Width (Y-axis)	2,000 mm
	Payload	3,000 mm
TRAVERSE	X-axis	3,800 mm
	Y-axis	2,500 mm
	Z-axis (spindle horizontal pos.)	670 mm
	Z-axis (spindle $\pm 40^\circ$)	370 mm
ADDITIONAL INFORMATION	Pallet changing time	184 sec.
	Chip to chip time	8 sec.
	Acc / dec in X-axis	9.81 m/sec. ²
	Acc / dec in Y-axis	9.81 m/sec. ²
	Acc / dec in Z-axis	9.81 m/sec. ²
	Acc / dec in A- and B-axis	685 °/sec. ²
	Rapid traverse / feed in X-axis	max. 50 m/min
	Rapid traverse / feed in Y-axis	max. 50 m/min
	Rapid traverse / feed in Z-axis	max. 50 m/min
	Rapid traverse / feed in Bt-axis	
Tool magazine	Rack type 129 pockets	

OUR SOLUTION



Mega | Alu Power

797ALUCBICR202500KM

part of **MegaTool**



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FIRST AND SECOND POCKET

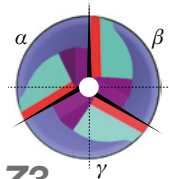


MEGA ALU POWER Ø25 IC (Internal Coolant) 797ALUCBICR202500 KM

DST 1
30,000 rpm
125KW
HSK63A FM80
MQL Coolant
G/L 187.024 mm
Protrusion 106.35 mm



Alu
Power
797ALUCBIC



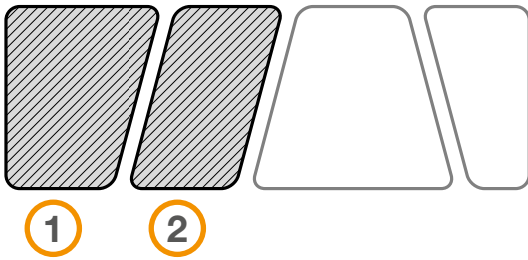
Z3
IRREGULAR
DIVISION



Cod. Art.	D h10	d h6	ds	L	I1	I	R	IC	Z
797ALUCBICR202500KM	25	25	23,5	157	100	55	2	3	3



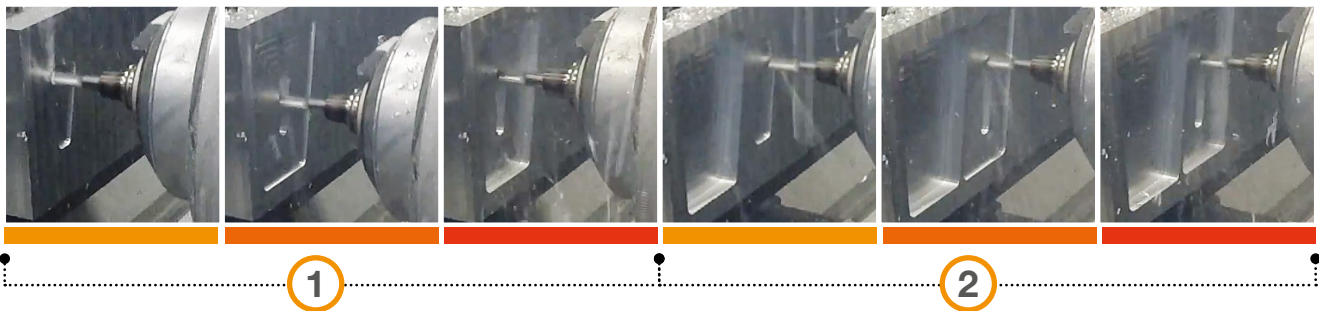
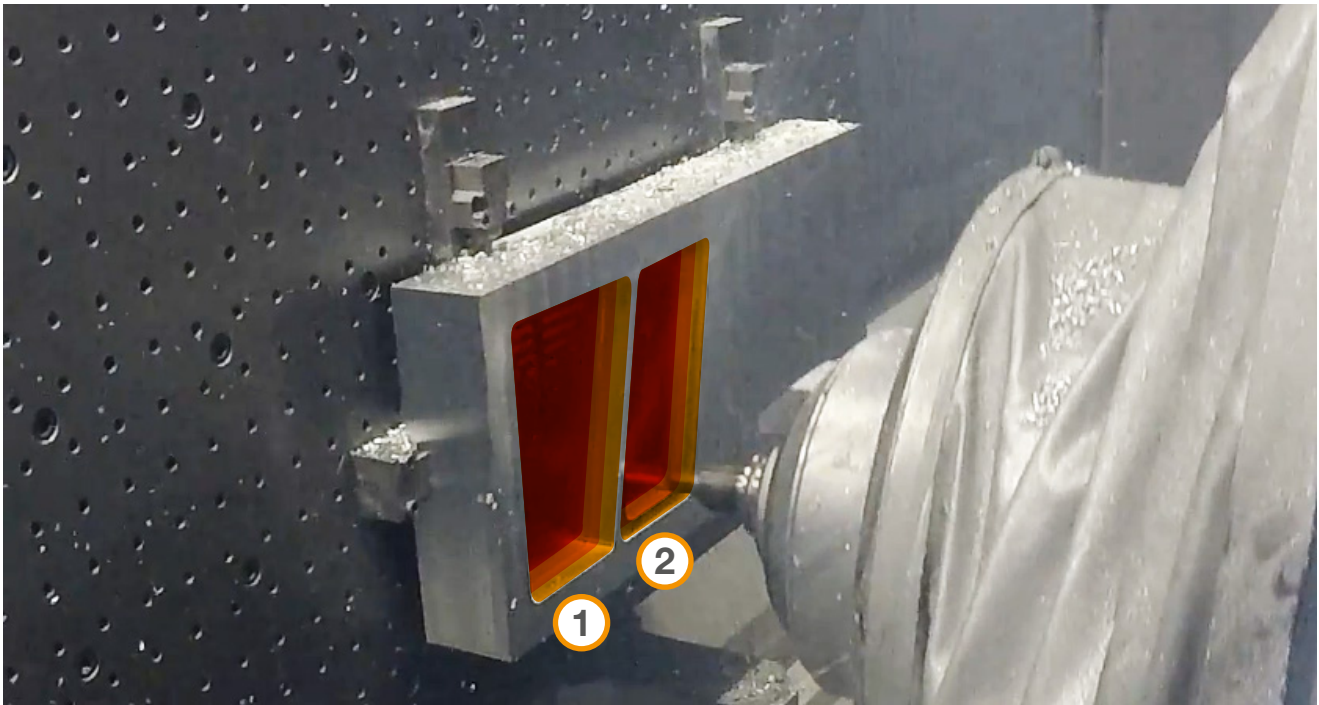
FIRST AND SECOND POCKET



FIRST CUT A_p 8mm

SECOND CUT A_p 15mm

THIRD CUT A_p 15mm



TECHNICAL DATA

	CUTTER ϕ	V_c	a_e	a_p	% D	n	f_z	V_f	Z	Q litre/min
RAMP DOWN	25	1885	25.00	8.00	100%	24000	0.139	10000	3	2.002
	25	1885	15.00	8.00	60%	24000	0.139	10000	3	1.521
	25	1885	25.00	15.00	100%	24000	0.139	10000	3	3.753
	25	1885	15.00	15.00	60%	24000	0.139	10000	3	2.852

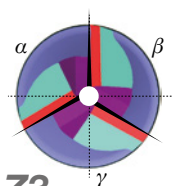
THIRD AND FOURTH POCKET



MEGA ALU POWER Ø25 IC (Internal Coolant) 797ALUCBICR202500 KM



Alu
Power
797ALUCBIC



Z3
IRREGULAR
DIVISION

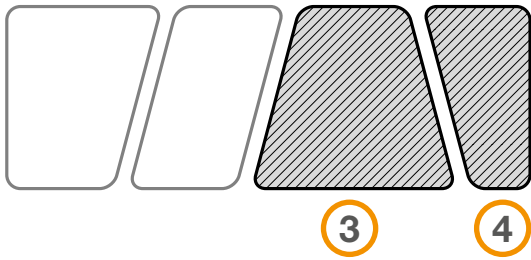


DST 1
30,000 rpm
125KW
HSK63A FM80
MQL Coolant
G/L 187.024 mm
Protrusion 106.35 mm

Cod. Art.	D h10	d h6	ds	L	I1	I	R	IC	Z
797ALUCBICR202500KM	25	25	23,5	157	100	55	2	3	3



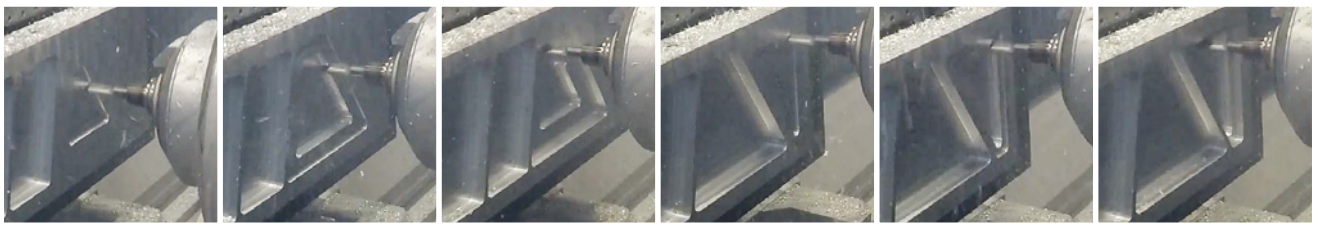
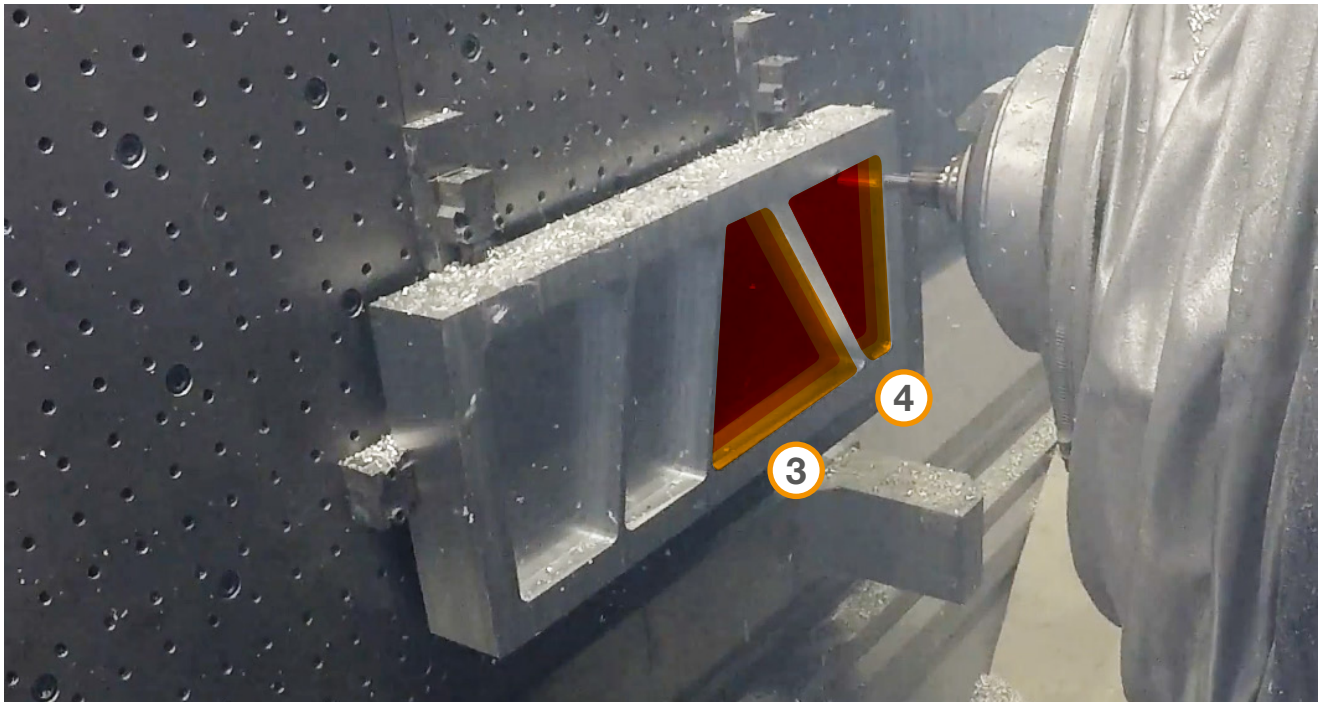
THIRD AND FOURTH POCKET



FIRST CUT A_p 8mm

SECOND CUT A_p 15mm

THIRD CUT A_p 15mm



3

4

TECHNICAL DATA

	CUTTER ϕ	V_c	a_e	a_p	% D	n	f_z	V_f	Z	Q litre/min
RAMP DOWN	25	1885	25.00	8.00	100%	24000	0.139	10000	3	2.002
	25	1885	19.00	8.00	76%	24000	0.139	10000	3	1.521
	25	1885	25.00	15.00	100%	24000	0.139	10000	3	3.753
	25	1885	19.00	15.00	76%	24000	0.139	10000	3	2.852

FINAL RESULTS



Mega Alu Power IC Test



CLICK HERE FOR THE VIDEO



MEGA ALU POWER END MILLS CHARACTERISTICS AND BENEFITS



- *Noise reduction*
- *Resonance reduction*
- *Vibrationless* (due to a unique geometry)
- *High chip removal rate* (overhang up to 6xD)
- *Perfect control of chip evacuation*
(thanks to the combination of mirror ground flutes and internal coolant feeding)
- *Less power required*

ASYMMETRIC CHIPBREAKER

The bigger the chips, the more difficult it is to evacuate them. Thinner and shorter chips weigh less than standard chips, which helps the coolant system to remove chips from the pocket, even in low coolant pressure conditions. A clean pocket is an advantage for tools in order to avoid chip jamming.



MEGA ALU POWER CHIP SIZE

STANDARD CHIP SIZE





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