



METEOR 1800

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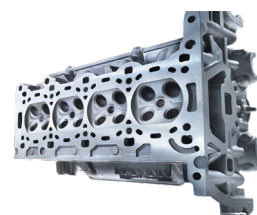
flexible, horizontal machining center

The machining center METEOR 1800 is made for the highest requirement of high performance production lines and is available in 4- or 5-axis. The adjustable spindle distance offers the maximum flexibility. For customers looking for short cycle times and loading/unloading times, the machine can be optionally equipped with a pallet changer.

YOUR ADVANTAGES

- Specially developed for aluminum processing
- Automatic pallet changer increases your productivity
- Small installation area reduces the floor space required
- Efficient drives reduce your energy cost

TYPICAL PARTS

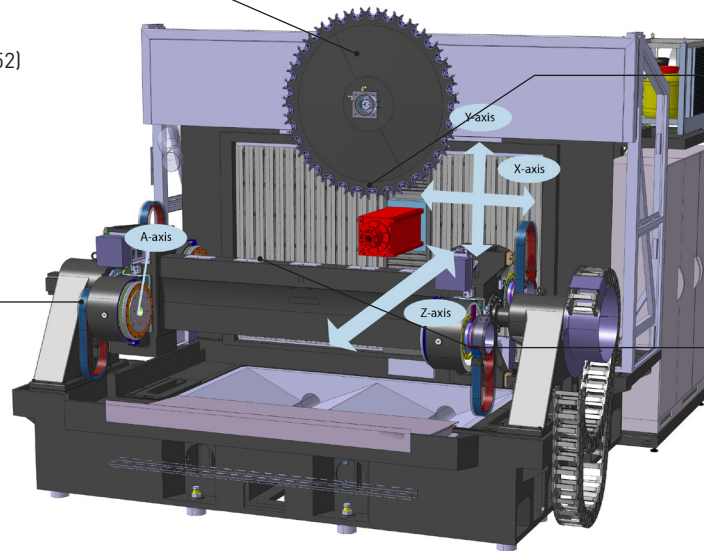


Tool changer
Automatic disc tool changer

Magazine capacity: 34 (optional 40/52)
Chip-to-chip time: 3.3 s

Automatic pallet changer
(optional)

Change time 8 s chip-to-chip



Spindle
30kW spindle
HSK63-A
up to 18000 rpm

Max. tool- ϕ : 230mm
Max. tool length: 320mm

Pallet
1800 x 630mm
part max. ϕ 800 x 2175mm

		METEOR 1800	METEOR 1800 P	
number of axes	number of axes*	4	4	
spindles	number of spindles	1	1	piece
working range	X-axis	1805	1805	mm
	Y-axis	630	630	mm
	Z-axis	630	630	mm
max. part size	X/Y/Z	ϕ 800 x 2175	ϕ 800 x 2175	mm
feed rate	acceleration [X/Y/Z]	8/15/20	8/15/20	m/s ²
	max. speed [X/Y/Z]	90/80/80	90/80/80	m/min
accuracy	positioning accuracy acc. VDI 3441/2617	0.006	0.006	mm
	repeatability acc. VDI 3441/2617	0.002	0.002	mm
spindle	speed	0-18000	0-18000	rpm
	power [S1/S6]	30/50	30/50	kW
	torque [S1/S6]	45/80	45/80	Nm
tool magazine	tool holder	HSK63-A	HSK63-A	
	tool capacity*	34	34	piece
	max. tool diameter	230	230	mm
	tool length*	320	320	mm
	tool weight	8 /16	8 /16	kg
	chip-to-chip time at 1800 rpm	3.3	3.3	s
parts and clamping dimension	rotations diameter	800	800	mm
	length	2175	2175	mm
	max. load on A/B	2 x 500/250	2 x 500/250	kg
	automatic pallet changer - change time (chip-to-chip)	-	8	s
weight/dimensions	weight	11670	20015	kg
	dimension LxWxH	4195 x 2390 x 3419	5480 x 2950 x 3419	mm
connected load	operating voltage	3x 400	3x 400	Volt
	total connected load	55	55	kVA
NC control	Siemens*	Sinumerik 840 D SL	Sinumerik 840 D SL	
* options available				
options	number of axes	5	5	
	tool capacity	40/52	40/52	piece
	tool length	510	510	mm
	Fanuc control	31i-MB	31i-MB	