

## Technical data



### Mikron HPM 1850U

#### Working range

Longitudinal	X	mm	1850
Cross	Y	mm	1400
Vertical	Z	mm	720 / 905
A-axis		°	-20 / +120 (110)
C-axis		°	n x 360
Number of simultaneous axis pce.			5 axis / 5 simultaneous

#### Feed rate

Feed rate / Rapid traverse	X, Y	m/min	15 / 40
Feed rate / Rapid traverse	Z	m/min	15 / 40
Feed rate / Rapid traverse	B	min <sup>-1</sup>	11 / 20
Feed rate / Rapid traverse	C	min <sup>-1</sup>	30

#### Working spindle

Working spindle 10`000	Spindle power 40% ED	kW	34
HSK-A100	Spindle torque 40% ED	Nm	324
Working spindle 15`000	Spindle power 40% ED	kW	38
HSK-A63	Spindle torque 40% ED	Nm	193
Working spindle 24`000	Spindle power 40% ED	kW	30
HSK-A63	Spindle torque 40% ED	Nm	75

#### Accuracy XYZ ISO 230-2(97)

Accuracy	A	µm	10 / 8 / 6
Repeatability	R +/-	µm	6 / 5 / 4

#### Work table

Clamping surface		Ø mm	1600
Max. workpiece weight		kg	5000

#### Automation

Pallet magazine		Positions	3
Pallet size		mm x mm	1000 x 1250
Tool magazine	HSK-A63	Positions	45, 120, 238
	HSK-A100	Positions	30, 170

#### Control unit

Heidenhain		iTNC 530
Siemens		840 D

#### Weight

Machine weight		kg	25`000 - 31`500
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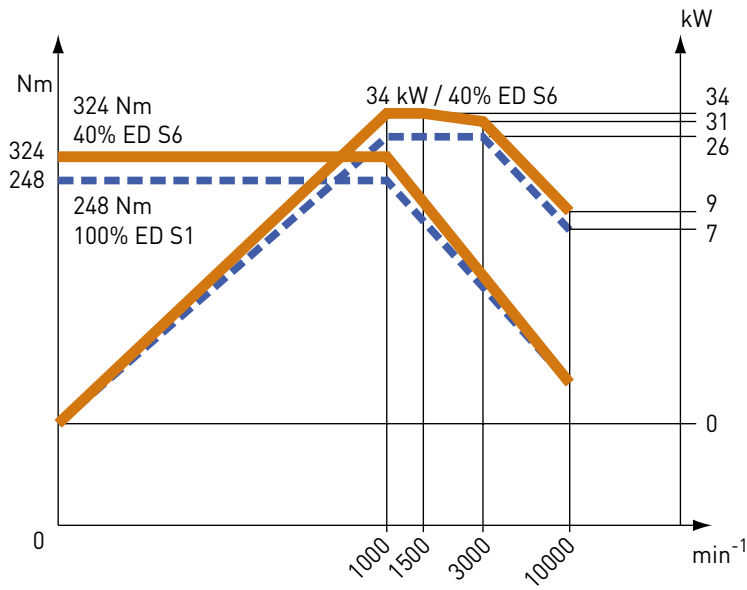
#### smart machine

APS, APS extended, Adaptive control, ITC

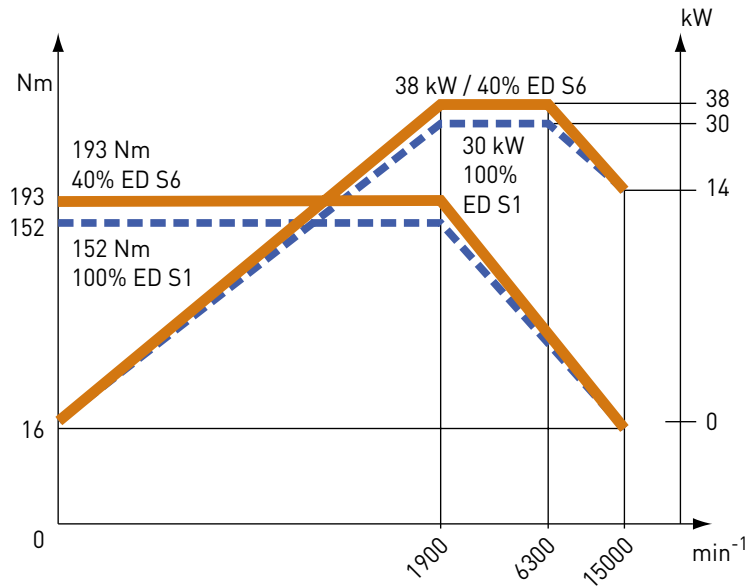
#### Ancillary services

Programming courses		+
Technology courses		+
Service training courses		+

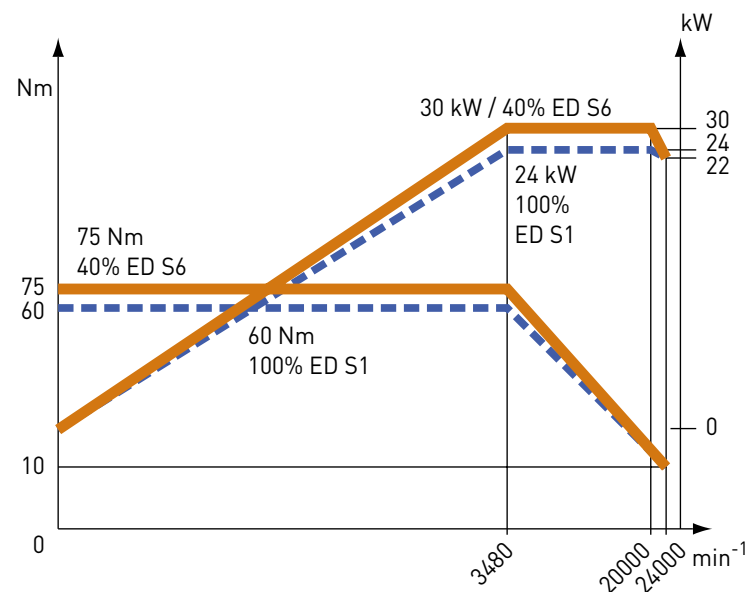
**Mikron HPM 1850U**



HPM 1850U  
HSK-A100 / 10'000 min<sup>-1</sup>

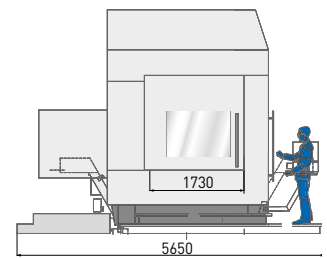
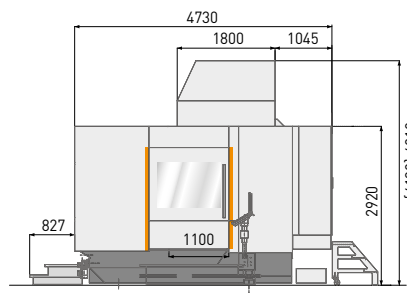
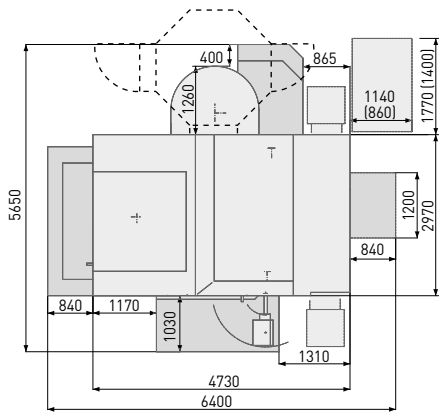
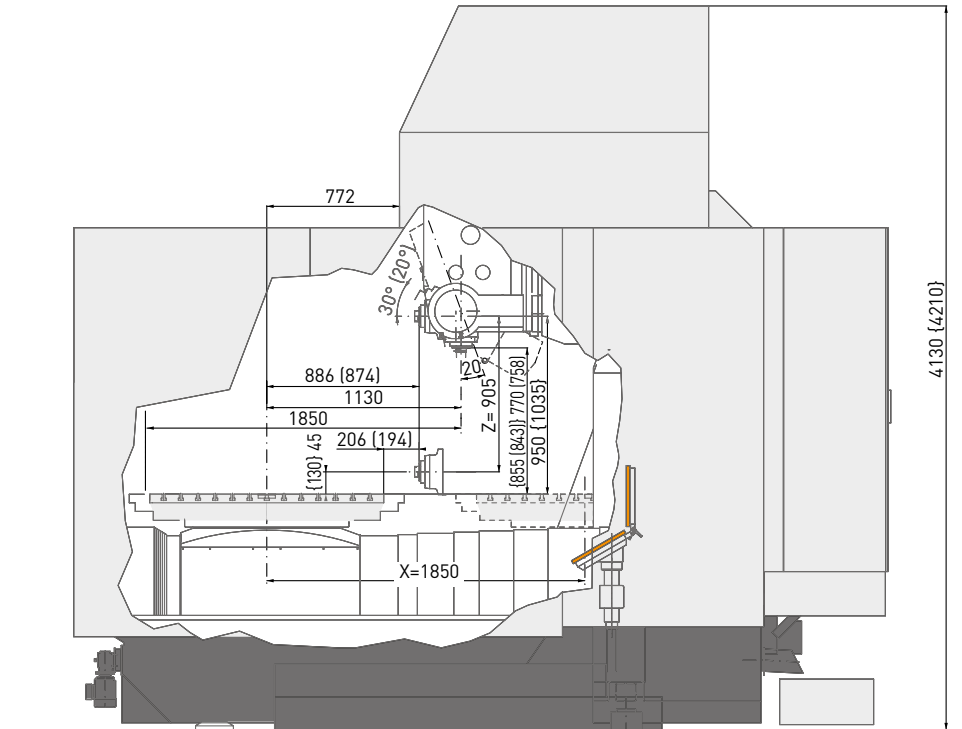


HPM 1850U  
HSK-A63 / ISO-B40 / 15'000 min<sup>-1</sup>



HPM 1850U  
HSK-A63 / 24'000 min<sup>-1</sup>

**HPM 1850U without Pallet magazine**  
**HSK-A63 (HSK-A100) {with increased through}**



**HPM 1850U with Pallet magazine**  
**HSK-A63 (HSK-A100)**

