

## Technical data



Machine			Mikron MILL S 400	Mikron MILL S 400 U	Mikron MILL S 500
<b>Workarea</b>					
Longitudinal	X	mm	500	500	500
Lateral	Y	mm	450	240	450
Vertical	Z	mm	360	360	360
Swiveling axis		°	-	+110/-110	-
Rotary axis		°	-	n x 360	-
<b>Feed rate</b>					
Rapid traverse	X, Y	m/min	61	61	61
Rapid traverse	Z	m/min	61	61	61
Rapid traverse (swivel)		min <sup>-1</sup>	-	165	-
Rapid traverse (rotary)		min <sup>-1</sup>	-	250	-
<b>Working spindle (40% ED, S6)</b>					
60,000 min <sup>-1</sup> , HSK-E32		kW / Nm	8.5 / 3.5	8.5 / 3.5	8.5 / 3.5
42,000 min <sup>-1</sup> , HSK-E40		kW / Nm	13.5 / 8.8	13.5 / 8.8	13.5 / 8.8
30,000 min <sup>-1</sup> , HSK-E40		kW / Nm	13.5 / 8.8	13.5 / 8.8	13.5 / 8.8
<b>Work table</b>					
Table		mm	-	-	590 x 450
Pallet/clamping surface		mm	Dynafix 280x280/350x350	MacroMagnum 156	-
Pallet/clamping surface		mm	GPS 240 x 240	ITS 148	-
Pallet/clamping surface		mm	UPC 320 x 320	-	-
Max. table load		kg	120	25	200
<b>Tool magazine</b>					
HSK-E32		tool holder	20/40	20/40	20/40
HSK-E40		tool holder	18 / 36 / 68 / 168 / 308	18 / 36 / 68 / 168 / 308	18 / 36 / 68 / 168 / 308
<b>Automation</b>					
Pallet size / Number		Piece	UPC/Dynafix / 7x	M.M. 156/18x	-
Pallet size / Number		Piece	GPS 240/10x	ITS 148/20x	-
Maximum additional load		kg	90	25	-
<b>Weight</b>					
Machine		kg	6'800	7'000	6'800
Pallet changer		kg	900	900	-
<b>Control unit</b>					
Heidenhain			iTNC 530 HSCI	iTNC 530 HSCI	iTNC 530 HSCI



Machine			Mikron MILL S 600	Mikron MILL S 600 U	Mikron MILL S 800
<b>Workarea</b>					
Longitudinal	X	mm	600	800	800
Lateral	Y	mm	600	600	600
Vertical	Z	mm	500	500	500
Swivelling axis		°	-	+ 30/-110°	-
Tilting axis		°	-	n x 360°	-
<b>Feed rate</b>					
Rapid traverse	X, Y	m / min	61	61	61
Rapid traverse	Z	m / min	61	61	61
Rapid traverse (swivel)		rpm	-	60	-
Rapid traverse (rotary)		rpm	-	150	-
<b>Working spindle (40% ED, S6)</b>					
42,000 rpm, HSK-E40		kW / Nm	13.5 / 8.8	13.5 / 8.8	13.5 / 8.8
36,000 rpm, HSK-E50		kW / Nm	33 / 21	33 / 21	33 / 21
30,000 rpm, HSK-E40		kW / Nm	13.5 / 8.8	13.5 / 8.8	13.5 / 8.8
<b>Work table</b>					
Table		mm	900 x 600	-	900 x 600
Pallet/clamping surface		mm	-	Dynafix 280x280/350x350	-
Pallet/clamping surface		mm	-	GPS 240 x 240	-
Pallet/clamping surface		mm	600 x 600	UPC 320 x 320	800 x 600
Max table load		kg	500	120	1000
<b>Tool magazine</b>					
HSK-E40		piece	18 / 36 / 68 / 168 / 308	18 / 36 / 68 / 168 / 308	18 / 36 / 68 / 168 / 308
HSK-E50		piece	15/30/60/120/170/220	15/30/60/120/170/220	15/30/60/120/170/220
<b>Automation</b>					
Pallet size / Number		- / piece	600 x 600/4x	UPC/Dynafix / 7x	600 x 600/4x
Pallet size / Number		- / piece	800 x 600/4x	GPS 240/10x	800 x 600/4x
Max. load		kg	500	90	800
<b>Weight</b>					
Machine		kg	9,900	9,900	9,900
Pallet magazine		kg	900	900	1,800
<b>Control unit</b>					
Heidenhain			iTNC 530 HSCI	iTNC 530 HSCI	iTNC 530 HSCI