

Overview CNC Machining Centers

Connova AG															
	Machine Type	EDEL Cyport			Hermle C50 with KUKA linear Robot			DMC 105V linear			Hermle C400 with HS-Flex			Mikron UCP 800 Duro	
Working Space 3-Axis	4900 x 2900 x 1000 mm			1000 x 1000 x 850mm			1000 x 800 x 560 mm			850 x 700 x 500 mm			800 x 650 x 500 mm		
Working Space 5-Axis	4000 x 2000 x 850 mm			1000 x 1000 x 850mm			800 x 600 x 400 mm			850 x 700 x 500 mm			700 x 550 x 400 mm		
Max. Table Load	3,2 tons			2 tons			1,5 tons			1,5 tons			1 ton		
Cooling (Pressured Air)	yes			yes			yes			yes			yes		
Cooling (MMS)	yes			yes			yes			no			yes		
Cooling (Water)	no			yes			no			yes			no		
Cooling (IKZ)	no			no			no			yes			no		
Measuring System	2D / Wireless touch			3D with Blum			2D / Wireless touch			3D with Blum			2D / Wireless touch		
Positioning Accuracy	0.025 mm			0.01 mm			0.025 mm			0.01 mm			0.04 mm		
CAM Data Import	All			All			All			All			All		
Steuerung	Heidenhain			Heidenhain			Heidenhain			Heidenhain			Heidenhain		
Automatization	none			38 palets à 800 x 800 mm			none			18 palets 500 x 500 m			none		
Materials	Well suitable	Medium suitable	Not suitable	Well suitable	Medium suitable	Not suitable	Well suitable	Medium suitable	Not suitable	Well suitable	Medium suitable	Not suitable	Well suitable	Medium suitable	Not suitable
Modelling block (e.g. PU block)	X			X			X			X			X		
Non-ferrous Metals (e.g. Alu.)		X		X				X		X				X	
Titanium		X			X			X		X					X
CFRP	X			X			X			X			X		
GFRP	X			X			X			X			X		
Hard Metals			X		X				X	X					X
Honeycombs		X				X			X		X			X	