



TECHNICAL DATA SHEET

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- Structure : Monobloc chassis and mobile gantry in mechanical welded high inertia steel
- Table : Aluminium fixed table with consumable top cover in option
- Guidance : Grinded prismatic rails and preloaded ball bearings.
- Transmission : Ball screw with preloaded nuts on all axes (two ball screws on X axis)
- Motorisation : Brushless motors with absolute encoders on all axes (two motors on X axis)

DIMENSIONS

	MECAPRO NL 3116	MECAPRO NL 3121	MECAPRO NL 4121
X axis travel in mm	3100	3100	4100
Y axis travel in mm	1600	2100	2100
Z axis travel in mm	325	325	325
Passage between uprights (reference points not used): over the first 100 mm / the entire height above the table	1700 / 1600	2200 / 2100	2200 / 2100
Passage under gantry or under spindle nose in mm	380	380	380
Length in mm (pumps not included)	4600	4600	5600
Width in mm	2600	3100	3100
Height in mm	2700	2700	2700
Average weight in kg	4000	4500	5000

POWERFUL ELECTROSPINDLE WITH HIGH ROTATIVE SPEED

	HSD951-SM-A8	HSD951-SM-W12
Maximum power S1 - S6 in kW	8 - 9,6	12 - 14,4
Max torque S1/S6	6,4 / 7,7 Nm à 12 000 rpm	9,5 / 11,4 Nm à 12 000 rpm
Rotation speed rpm	0 à 28 000 rpm	0 à 28 000 rpm
Coolant	AIR	WATER
Cooling	Fan	Regulated cooling unit
Tool changing	Automatic, HSK-F63	Automatic, HSK-F63