

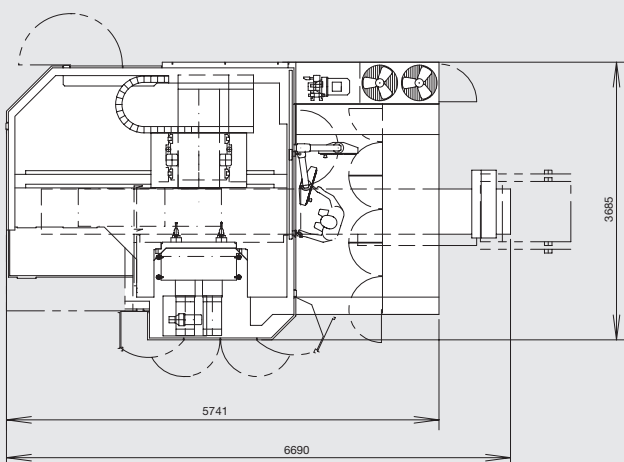
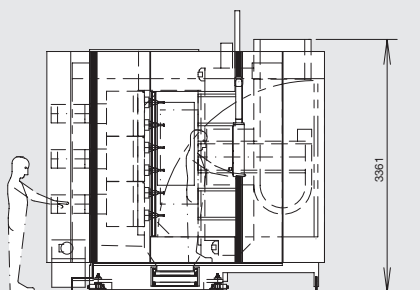
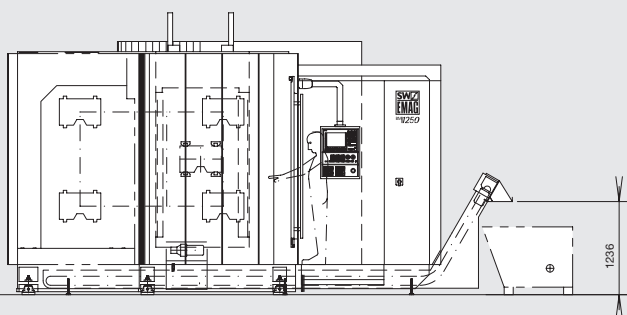
BM 1250

Horizontal multispindle drilling head machines



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SW a company within the EMAG group



■ Working range

X-axis	1900 mm
X-axis (machining range)	700 mm
Y-axis	1250 mm
Z-axis	500 mm

■ Workpiece swivel table

Adaption of clamping fixture	On Z-axis front
Seat	550 mm x 350 mm
Toolchange principle	Pick-Up
Hydraulic / pneumatic supply	16 lines, NG 6
Max. hydraulic operating pressure	250 bar
Max. fixture weight	800 kg
NC swivel unit	optional
Drive system	Torque motor
Max. dimensions fixture - workpiece	Ø 500 x 730 mm
Nominal torque	160 Nm
Max torque	430 Nm
Speed range A-axis	1 - 100 rpm
Indexing accuracy	+/- 5"
Tangential moment (hydraulically locked)	5000 Nm at 250 bar

■ Work spindle / Drilling head

Fitting position of work spindles	Project-specific design
Spindle speed	Project-specific design
Type of spindle	Project-specific design
Power	up to 120 kW
Driving mode	Three-phase drive
Space requirement work spindles	1000 x 1900 mm
Total weight drilling heads	6.000 kg

■ Axis drives

Drive in X, Y, Z	Ballscrew
Feed rate X, Y	1 - 60 m/min
Feed rate Z	1 - 50 m/min
Max. acceleration X	5 m/s ²
Max. acceleration Y	8 m/s ²
Max. acceleration Z	10 m/s ²
Max. thrust X, Y	22.000 N
Max. thrust Z	28.000 N

■ Accuracy (according to VDI/DGO 3441)

Position measuring systems	Direct, absolute
Positioning tolerance X, Y, Z	Tp = 0,01 mm

■ Weight / Dimensions

Dimensions (machine installed W x L x H)	9,6 x 4,85 x 3,75 m
Transport dimensions W x L x H	5,75 x 3,7 x 3,4 m
Machine, including switch cabinet	approx. 24.000 kg

■ Connected load

Operating voltage	3 x 400 Volt, 50 Hz, TN-S / TN-C network
Total connected load	approx. 125 kVA
Mean air consumption	1,0 Nm ³ /min (6 bar)

■ CNC control

	SINUMERIK 840 D
Safety technology	Safety Integrated®