

Machine name

EMAG VSC250

Type:

Vertical CNC turning center

Producer: **EMAG**Model: **VSC250**Year: **2008**Serial No.: **M250.81009**Inventory nr.: **31**

NODIER EMAG INDUSTRIE Avenue de l'Europe 18150 LA GUERCHÉ / L'AUBOIS			
Id. de masină	VSC250		
Nr. fabricatie	M250.81009		
Număr de fabricatie	9012386-0000		
An de fabricatie	2008		
Nr. matricola			
Alimentare	normal	400	V
Frecvență	depanare	50	Hz
Tensiune putere	normal	400	V
	depanare	230	V
Tensiune servomotor		24	V
Tensiune sensibilizare		24	V
Tensiune intrare		24	V
Tensiune iesire		24	V
Tensiune dispozitiv de comandă		24	V
Iluminare	1x18W	24	V
Putere instalata	normal	44	kW
	depanare		
Curent nominal	normal	83	A
	depanare		
Cos phi		0.83	
		100	A
Protectie fuzibile	normal		
	depanare		
Masa			Kg

**Technical characteristics:**

- # Main Drive: * Connected Load: 400 V/50 Hz / 43 kW * Drive Power of Main Spindle (100% ED / 40% ED): 18 kW / 28 kW * Main Spindle Torque: 300 Nm * Speed Range: 0-4500 rpm * Spindle Head: DIN 55026-A6
- # Working Area: Rapid Traverse X-axis: 60 m/min * Rapid Traverse Z-axis: 30 m/min * Feed Force X-axis: 10 kN * Feed Force Z-axis: 10 kN
- # Control: * Siemens SINUMERIK 840Dsl * 15-inch TFT Monitor.
- # Working Accuracy: * Axes (X-axis / Z-axis): ± 0.001 mm * Spindle (C-axis): $\pm 0.01^\circ$
- # Tool Carrier: * EMAG Flange Turret Generation C361 - Capto C5. * * Holder Shank Diameter: TN340009 * Max. Tool Dimensions: Workpiece-dependent. * Tool Change Times (Turret / Live Tool): 0.03 min / 0.04 min. * Max. Speed of Live Tool: 6000 rpm. * Max. Torque of Live Tool (100% ED / 10% ED): 15 Nm/3.5 kW / 40 Nm/8.5 kW.
- # Coolant System: * Standard Delivery Pressure / Max. Delivery Pressure: 7 bar * Pressure Range of Internal Coolant Supply: 7 bar (not adjustable) * Coolant Tank Capacity: 360 liters
- # Part Catcher: * No part catcher available. Parts are fed to and removed from the machine via automation. Ambient Conditions (Room temperature / Air humidity): up to approx. 30°C / max. 50% * Noise Level (Sound Pressure Level / Sound Power Level): 78 dB(A)
- # General: * Machine Dimensions (L x W x H): 3900 mm x 1500 mm x 3200 mm * Machine Weight: approx. 7000 kg *

Main Features and Capabilities:

- # Vertical Design: Optimal chip evacuation and easy loading/unloading.
- # Control: Siemens SINUMERIK 840Dsl with integrated PLC S7-300 and a 15-inch TFT monitor.
- # High Precision: Positioning accuracy in X and Z axes is ± 0.001 mm.
- # Main Spindle: High power and wide speed range.
- # Automated Loading/Unloading: Parts are fed to and removed from the machine via integrated automation.
- # Live Tools: The possibility of using live tools extends the machining range to include drilling and milling.
- # Chip conveyour
- # Chuck installed : EMB3 Expanding mandril Autoblock

Capto C5 tool holders installed on turret (External/internal machining 2 units & 2 lifetools)
Tool load monitor Artis capability available

Machine status :
WORKING