

VL 3 DUO
**TWIN-SPINDLE TURNING MACHINE FOR THE HIGHLY
PRODUCTIVE MANUFACTURING OF CHUCKED PARTS**



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THE VL 3 DUO FROM EMAG

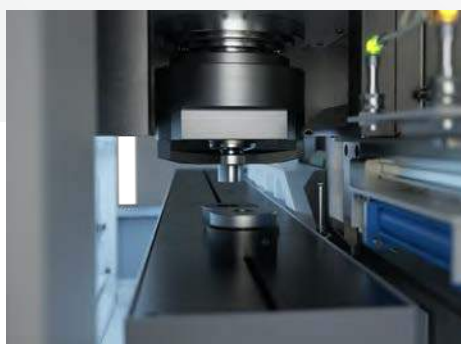
EMAG has extended the product range of the extremely successful VL series in the form of the VL 3 DUO, a twin-spindle machine solution for the highly productive manufacturing of chucked parts with a diameter of up to 150 mm.

The VL 3 DUO integrates all recent EMAG technological developments (from pick-up automation and the TrackMotion automation system, to the basic modular design of the machine) to create a manufacturing system that delivers maximum productivity, with a minimum footprint.



AUTOMATION INCLUDED, FREE OF CHARGE

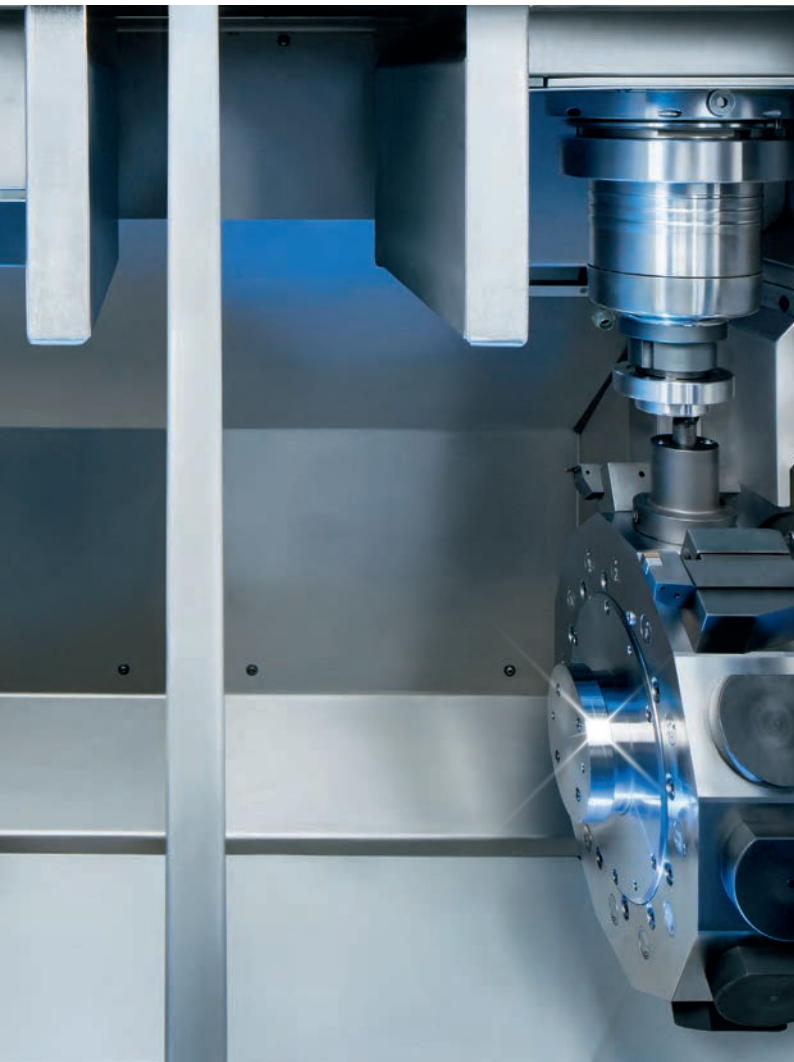
On the VL 3 DUO machines, the working spindles are not only used to machine workpieces, but also to load and unload them. This saves money, space and unnecessary peripheral devices.



Loading and unloading (pick-up station)
OP 10

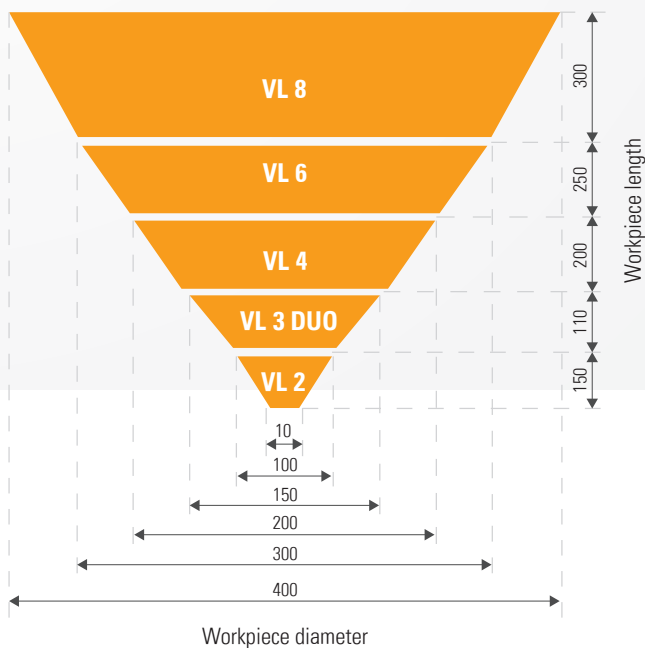


Loading and unloading (pick-up station)
OP 20



HIGHLIGHTS

- + Two separate machining areas for OP 10 and OP 20. Each machining area features a high-performance pick-up spindle and a tool turret with 12 tool positions.
- + The TrackMotion automation system not only ensures fast parts transport between the parts storage facility and machining areas, but also turns the parts between OP 10 and OP 20.
- + Its compact design ensures maximum productivity with a minimum footprint. Both machining areas are also easily accessible which minimizes set-up times.



TECHNICAL DATA

Workpiece diameter, max.	mm	150
	inch	6
Chuck diameter	mm	210
	inch	8
Workpiece length, max.	mm	110
	inch	4.5
Travel distances: X (machining stroke) / Y (optional) / Z	mm	505 / ± 30 / 250
	inch	19.5 / ± 1 / 10
Main spindles (2x)		
» Power rating, 40% / 100%	kW	17.9 / 15.5
	hp	24 / 21
» Torque, 40% / 100%	Nm	144 / 98
	ft-lb	106 / 72
» Number of revolutions, max.	rpm	5,000
	rpm	5,000
» Spindle flange to DIN 55026		Size 6
» Spindle bearing diameter, front	mm	100
	inch	4
Turrets (2x)		
» Turret tool positions	Quantity	12
Rapid-traverse rate X / Y / Z	m/min	60 / 30 / 30
	ipm	2,363 / 1,181 / 1,181

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Subject to technical changes.

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