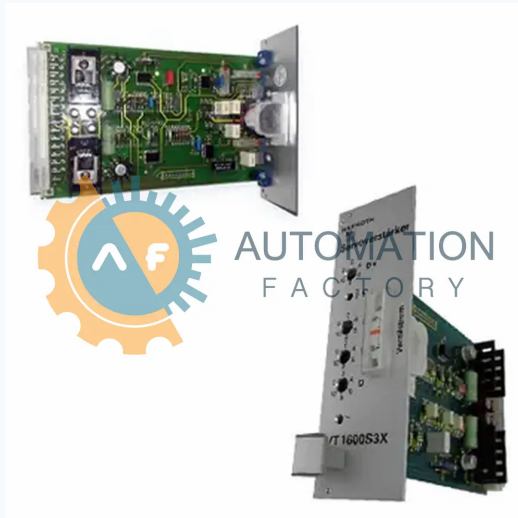


Bosch Rexroth Indramat — VT 1600 Servo Amplifiers

VT 16000-2X-120

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The **VT 16000-2X-120** belongs to the VT 1600 Servo Amplifiers series produced by Bosch Rexroth Indramat. It is an electrohydraulic motion controller intended to drive proportional valves and coordinate multi-axis machines. By combining analog computation, digital sequencing, and PLC interfacing, the unit positions hydraulic cylinders, maintains pressure, and synchronizes tooling axes in industrial automation systems.

For machine integration, the amplifier provides a combined I/O card with **8 AI and 4 AO channels** for sensor or valve signals and a digital card with **8 DI and 8 DO points** for limit switches and interlocks. Motion tasks can be distributed across **four hydraulic axes**, and up to **2,000 NC program sets** can be stored internally to support rapid product changeovers. Program syntax follows the **DIN 66 025** numerical control standard, simplifying transfer from a host CAM system. Two incremental counter inputs track encoder pulses, while four plug-in module slots allow the addition of communication or feedback boards. The embedded COM252M package runs under MS-DOS and supports offline program creation and parameter backup to a PC.

Closed-loop behavior is handled by a **PDT1 position controller**, a **PIDT1 pressure controller**, and a PI-based synchronization controller that matches axis velocities during cooperative moves. The SSI module accepts **four SSI encoders**, and the system can also process analog or incremental feedback formats. Up to **32 cross-axis cams** can be generated for coordinated profile execution. Two incremental encoders on the dedicated counter card enable spindle following.

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Specifications

Combo Module I/o:	8 AI / 4 AO	Communication Software:	COM252M (MS-DOS)	Counter Module Encoders:	2 Incremental
Cross-axis Cams:	32	Digital Module I/o:	8 DI / 8 DO	Encoder Types:	Analogue; Incremental; SSI
Hydraulic Axes:	4	Nc Program Sets:	2000	Nc Standard:	DIN 66 025
Plug-in Modules:	4	Position Controller:	PDT1	Pressure Controller:	PIDT1
Ssi Module Encoders:	4 SSI	Supported Plcs:	S5-115U; S5-135U; S5-155U; S7-400	Sync Controller:	PI
Last Verified:	10/28/2026 4:22 AM				

Contact Us

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Shipping Options



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