

Prepared on January 25, 2026. Location: Turkey (on request).

## Offer Details

Field	Value
<b>Post Date</b>	January 25, 2026
<b>Listing Title</b>	4 Sets MURATEC VORTEX 870 EX Year-2022
<b>Brand / Model</b>	MURATEC VORTEX 870 EX
<b>Year</b>	2022
<b>Quantity</b>	4 sets
<b>Spindles per machine</b>	96
<b>Power</b>	35 kW
<b>Condition</b>	Excellent (approx. 98% new)
<b>Serial numbers</b>	21SX494440-001 to 21SX494440-004
<b>Notes</b>	Polymaster feature + 3-ply splicer available
<b>Ready for Export</b>	Yes
<b>Location</b>	Turkey (on request)

## Summary Description

We are offering a high-performance opportunity to acquire 4 sets of Muratec Vortex 870 EX spinning machines, manufactured in 2022. These machines integrate spinning and winding into one process and are specified with Polymaster and a 3-ply splicer for specialized yarn requirements. The units are well-maintained late-model machines intended for immediate industrial use.

## Technical Questionnaire

Filled specification questionnaire for Muratec VORTEX 870 EX. Items marked "to be confirmed" require machine nameplate/drawing or seller confirmation.

Sr. #	Questions	Answers
1	Machine Model	MURATEC / Murata Machinery VORTEX 870 EX (air-jet/VORTEX spinning machine)
2	Number of devices	4 sets (4 machines) offered for sale (2022)
3	Number of spindle/mc	96 spindles (positions) per machine
4	Spindle pitch size	235 mm (typical 870-series; 870 EX listings also specify 235 mm)
5	Total machine length	26,379 mm (typical 870-series frame; confirm with machine nameplate/drawing for 870 EX)
6	Aeroplane heading right car	Right car arrangement referenced for odd-numbered machines in 870-series example (site layout dependent)
7	Aeroplane heading left car	Left car arrangement referenced for even-numbered machines in 870-series example (site layout dependent)
8	Power consumption, volt & Hz	Power: 35 kW per machine (seller data). Electrical supply commonly 380 V / 50 Hz (confirm to your plant standard).
9	Power supply direction	Headstock: from bottom to top (870-series installation reference)
10	Winding direction	Hot air exhaust / winding direction: upward (870-series installation reference)

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11	Compressed air supply direction	Headstock: from bottom to top (870-series installation reference)
12	Yarn type (PP, PV, PC & CVC)	Suitable for cotton 100%, synthetic/cotton blends, synthetic 100% (PV/PC/CVC commonly processed on VORTEX; exact applicability depends on staple properties).
13	Polyester/viscose/cotton use?	Yes - cotton, polyester, viscose and blends are within the supported material range (subject to staple length/denier and count).
14	Yarn Count range	Ne 10-80 (range may vary by fiber/denier and settings).
15	Twist direction Z	Z-twist (orient nozzle, Z-twist).
16	Polyester fiber length 38mm & denier 1.2D	Supported staple length includes 38 mm; typical polyester denier range stated 1.0-1.5D (includes 1.2D).
17	Viscose length & denier (38mm & denier 1.2D)	Supported staple length includes 38 mm; typical viscose denier range stated 1.0-1.5D (includes 1.2D).
18	Colored fiber use?	Yes (example spec allows colored fiber; content ratio in one application example 0-60%).
19	Barrel size	Sliver can diameter range: 16-24 inch; max can height 1,500 mm. Common example: 18 inch (450 mm) OD x 42 inch (1060 mm) height.
20	Machine speed limit (m/min)	Up to 550 m/min (maximum; varies with yarn count/material).
21	Draft ratio (m/min)	Total draft (example 870-series): 100-450; brochure notes draft 200× or higher possible (settings/material dependent).
22	Traverse range	6 inches (≈152 mm).

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23	Winding angle	Parallel / 4°20' / 5°57' (cone take-up).
24	Drafting system	4-wire roller drafting; EX has independent drive for 3rd-4th drafting rollers.
25	Drafting 4 wire roller	Yes - 4-wire roller drafting.
26	Orient of nozzle (z twist)	Orient nozzle, Z-twist.
27	Electronic yarn cleaner	MSC (Muratec Spin Clearer) optical yarn clearer; quality monitoring functions.
28	FFD non fiber testing	MSC-F (Foreign Fiber Detector) available as option (FFD).
29	Waxing device	Available (optional) depending on configuration.
30	Wax block size length/outer & diameter/inner	Depends on installed waxing unit and wax block standard; confirm on the machine's waxing device specification/nameplate.
31	Joint mode air splicer	Air splicer (standard yarn joining method; knotter optional).
32	Automatic doffing trolley (87D)	Auto Doffer (AD) standard; EX series uses upgraded 87D EX doffer.
33	Full cylinder conveyer belt	Package conveyor provided (standard equipment).
34	Full barrel lifter	Package lifter available as option (configuration dependent).

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35	Air splicer	Yes - equipped; 3-ply splicer also available on these units (seller note).
36	Splicing car (87C) quantity 4, 5 or 6	Splicer carriage system; standard example: 2 splicer carriages ( $\approx$ 48 spindles per carriage). Additional splicer carriage option; up to six splicers can be mounted on one machine.
37	Specification of splicer	87C EX splicer carriage (improved cycle time) with monitoring options; common used-machine spec includes air splicer with nozzle prism G2Z.
38	Splice nozzle	G2Z (common specification in listings; verify on the installed splicer set).
39	Front plate	Part of splicer assembly (87C EX) - supplied with splicer set; confirm exact part numbers with Muratec splicer specification sheet.
40	Pressure bar	Part of splicer assembly (87C EX) - supplied with splicer set; confirm exact part numbers with Muratec splicer specification sheet.
41	Untwisting tube	Part of splicer assembly (87C EX) - supplied with splicer set; confirm exact part numbers with Muratec splicer specification sheet.
42	Master control system	VOS (Visual On-demand System), VOS-III controls in many 870-series installations; seller listing notes VOS-III program controls.
43	Spare parts	Standard spare parts typically provided per sale package; confirm the exact spare parts list available with these 4 machines.
44	Special tool spacing block	Special tools (incl. spacing blocks) are typically supplied for installation/maintenance; confirm inclusion and quantities.
45	Operation instruction	Operation/maintenance manuals are standard documentation; confirm language and completeness (hardcopy + digital).

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46	Polymaster	POLYMASTER available/installed (seller notes Polimaster feature; listings show Polymaster type 8PM.EX).
47	Machines available for sale	4 sets (serials 21SX494440-001 to -004).
48	Location	Turkey (available in Turkey; location on request).
49	Offer price	On request.