

The new ZAXoo1neo Terry achieves a higher level.

Item		Specification	Option
Reed space	Nominal (cm)	190, 210, 230, 260, 280, 340, 360	300
	Useful reeding widths	Maximum width reduction: Up to 60 cm (190, 210, 230) Up to 80 cm (260, 280, 340, 360)	Maximum width reduction: Up to 80 cm (190, 210, 230)
Frame		TAP Tsudakoma Advanced Platform	
Weft selection		4 colors, 6 colors	8 colors
Machine power	Drive	Direct gear drive: 5.5 kw (Electronic dobby) 7.5 kw (Electronic jacquard)	SYSTEM EOS (Highly-efficient driving motor)
	Start	Rush-start motor drive Push-button operation with both hands Inverter slow inching operation (Forward and Reverse) PSC Programmable Speed Control	
Weft insertion		System S+Plus Neo Weft Insertion System Auxiliary main nozzle, Stretch nozzle	Twin auxiliary main nozzles
	Control	AJC-S+ Plus Auto Jet Control ACI Air Consumption Indicator First pick control Neo Valve System Independent sub-nozzle timing control by color Sub-nozzle boosting system Independently timing-controlled auxiliary main nozzle WBS Weft Brake System	Dual weft insertion control by color i-WBS Weft Brake System FIC Fuzzy Insertion Control ACI-II Air Consumption Indicator
	Measuring and storage	FDP-A IV Electronic Free Drum Pooling (with advancing reel system) FDP Drum diameter simple adjustment (one-touch) type Yarn breakage sensor	Yarn storage sensor Balloon breaker
Shedding		Positive dobby (Electronic/Floor-mounted), Jacquard	
Let-off		Double beam With kickback function TMC Terry Motion Control MTC-G Multiple Tension Control-Ground warp MTC-P Multiple Tension Control-Pile warp EPR Electronic Pile Ratio Control PRM Pile Ratio Measuring One touch lift-up for ground guide roll	
	Flange diameter	Pile: 1,000 mm, 1,250 mm Ground: 800 mm, 1,000 mm	
Take-up		Provided with automatic density change function (32 densities) Take-up stop device With blank pick function	
	Woven length counter	Towel piece counter Doffing counter (Display on the Navi-board)	
	Maximum on-loom take-up diameter	600 mm	720 mm, Off-loom take-up device
	Pick density	9.8~118.1 picks/cm (25~300 picks/inch)	
	Temple	Slide top-mounted type, 14 mm guide bar	AGB Adjustable Guide Bar
Terry motion		Terry motion with cloth fell shifting system New ETS Electronic Terry System Shifting amount: 3~24 mm	
Beating		Cam Light and well-balanced rocking shaft Light reed holder	
Selvage		Leno motion	ZTN Needle-less Tuck-in device (Left & right/Intermediate) Electric Yarn Catcher
Waste weft removal		Catch cord taken-up with two rolls Electric waste-selvage cutter	Fringe stretch nozzle
Cutter on the yarn supply side		Electric vertical type	
Lubrication		Oil bath system for main driving sections Centralized lubrication (manual grease supply)	Centralized lubrication (automatic grease supply)
Stop motion	Cloth route		Anti-miswinding function
	Weft	Reflective feeler, Two-head system	Package sensor, 3-eyed feeler
	Warp	Electric contact bar system, 2 rows each in 2 boxes	4-row dropper for ground warp (for gauze backing)
	Stop cause indication	Message indication on the Navi-board 5-color multi-function indication lamps	
Weave Navigation® System-II	Navi-board	Automatic data setting, Recommended data indication, Optimum operation condition guide, Automatic control, Troubleshooting, Self-diagnosis function, Operating and maintenance information, Weaving advice, Instruction manual and part catalog browsing	
	Network connection	TLM Tsudakoma Loom Monitoring system	Smart Air Grid
Automation			BFSIII Back-up Feeder System FSC Fuzzy Speed Control

Note 1: For details, contact TSUDAKOMA' s agent or our sales staff.
Note 2: Photographs, drawings, and data in this brochure are subject to change for improvement without notice.
Note 3: Some photographs in this brochure include optional devices.

TSUDAKOMA

ZAX^{neo}oo1Terry
AIR JET LOOM

Debut!



ZAX^{neo}01Terry AIR JET LOOM

Inheritance of
neo-ism
Next-generation terry loom realizing high speed
and precision in a variety of ways

NEW

New ETS Electronic Terry System

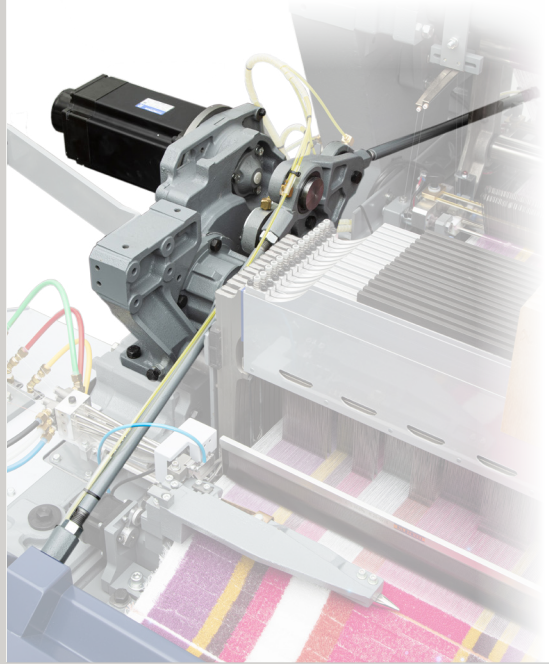
The ETS motor, gear box, and link mechanism are optimally designed, realizing exceptional high speed performance and a superb durability.

High speed performance

New structure gear box supports the ETS motor to maximize its performance. Optimized link mechanism increases maximum speed of the terry system.

Durability

Oil circulation system with oil bath is provided. By spreading oil throughout all the interior of the gear box, wear of the parts is reduced. This significantly contributes to less maintenance and helps improve durability.



NEW

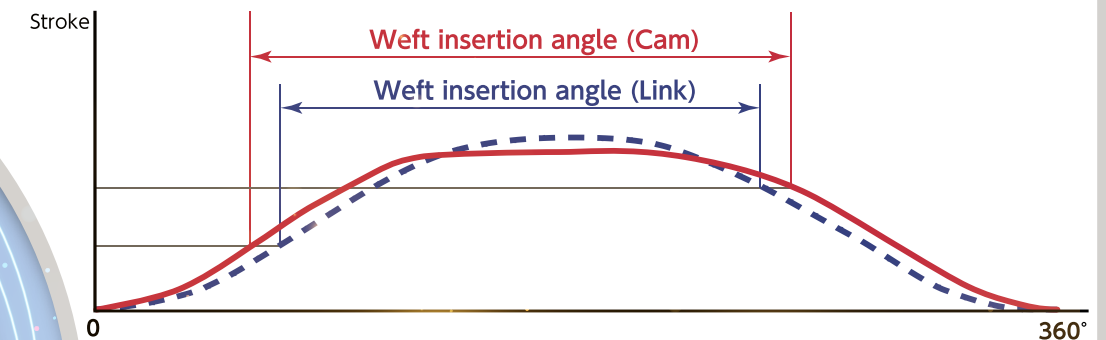
Cam Beating System (Dedicated for terry weaving)

Against the cam beating for the ZAX001neo series, a cam curve that is optimized specially for terry weaving is introduced. In addition to excellent woven result, diversified performance improvements, such as air savings and reduced vibration, provide customers strong support for terry weaving.

A longer weft insertion timing leads to
high versatility and upgraded weaving performance.

Dedicated cam beating achieves
high quality, air saving, and pressure reduction.

Positioning the 1st heald frame closer to the beating point *enables high speed weaving and improves durability* of loom accessories.



TMC Terry Motion Control

Tension fluctuation of pile yarn is accurately and optimally controlled with a servo motor. Pile pulling is greatly reduced, and uniform and beautifully finished pile is stably produced.

Ideal tension control

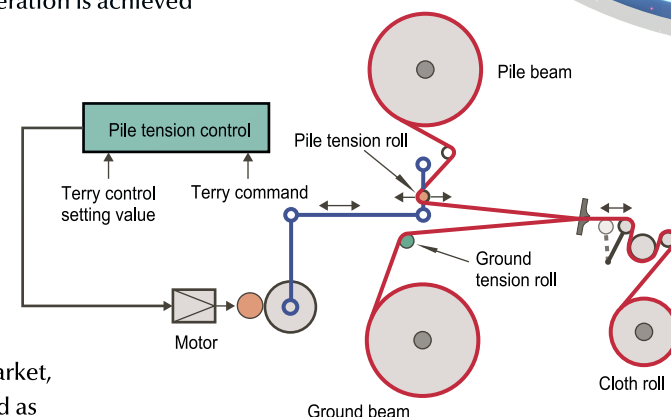
Pile warp tension control ideal for pile formation is performed. Pile quality and texture of pile are improved, and stable operation is achieved by preventing defective shedding of the pile warp.

Stop mark prevention

Pile pulling is prevented by lowering pile tension at warp stop.

TMC Terry Motion Control – Dual-side driving

For the looms to weave wide fabrics, which is the largest market, the TMC Terry Motion Control: Dual-side driving is supplied as standard. Stable and high quality pile formation is achieved even at high speed operation and under high-tension condition.



Air
saving
15%

Pressure
reduction
15%

Productivity
improvement
10%

Note 1: Compared with the ZAX9200i Terry.
Note 2: Subject to change depending on specifications and fabric.

NEW

Direct Gear Drive for Jacquard

Our original bevel gear box that is newly designed exclusively for Jacquard drive is directly connected to the direct gear drive system provided with the ZAX001neo series as standard.

Transmission efficiency is greatly improved, and further high speed and durability are realized.

Ultra-high-speed performance

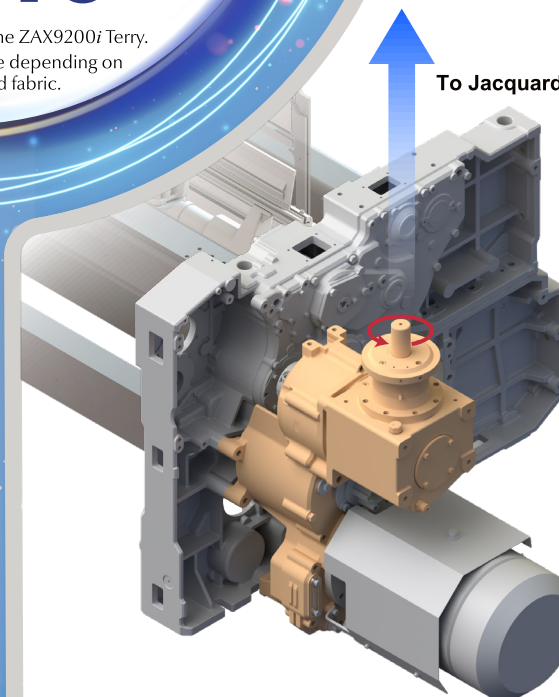
Stable driving and improved durability are provided in the rpm ranges that cannot be achieved with a belt-drive system.

Maintenance free

It is not necessary to replace consumable parts or to control belt tension.

Improvement in safety

By introducing the gear box, the risk of contact with the driving part is eliminated.



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