

Maintenance Tools for Air Jet Loom Reeds

NEW

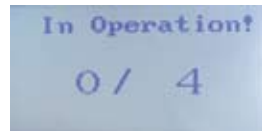
As air jet loom operation time elapses, subtle changes in various elements of the reed and sub-nozzles become evident. The maintenance tool series assists with continued, stable loom operation. All of these tools are designed first and foremost with on-loom use in mind.

ON-LOOM REED CLEANER

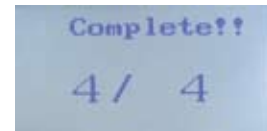
TR-7600RC



- This product cleans while the warp is still drawn in. It automatically runs along the top of the reed as it cleans.
- Previous versions of this device required electrical power, but our newest version is a battery-operated, re-chargeable-re-chargeable product, resulting in cordless, easier cleaning.
- Debris build up in the tunnel groove can affect air flow, but is effectively removed with special brushes, contributing to stable loom operation.
- This cleaner can be preset for automatic stopping.



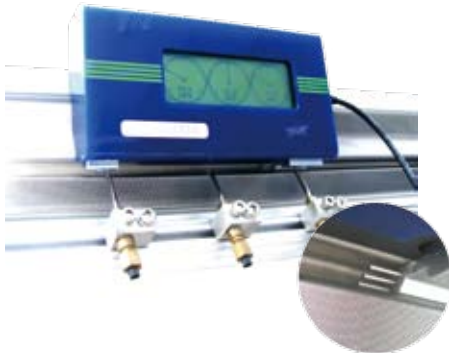
Repeating time setting



Completion of repeat

SUB-NOZZLE INSPECTOR

TR-7700SN



- This device allows for visual confirmation by means of a display of sub-nozzle air shower dispersion which is a basic component of stable air jet loom operation.
- If a proper air shower dispersion cannot be confirmed, the sub-nozzle can be adjusted with a tool (included) while watching the display until the correct position is reached.
- Measurement data for the 60 sub-nozzles can be stored.



Analog meter mode



Bar graph mode

PORTABLE AIR CHECKER

TR-7800AC



- Following loom makers' standards (TOYOTA and TSUDAKOMA), this device can easily measure air flow values on-loom.
- Air flow peculiarities of tunnel groove which caused by abrasion and debris can be measured and digitally displayed by this device. What's more, the conditions' graph can be displayed on the device's display.
- Measurement data can be stored for optimum reed management.
- The best time for replacing the reeds can be visually confirmed.



Numerical mode



Graph mode

ON-LOOM REED CLEANER

Model	TR-7600RC
Use	Rotating Brush Type: Moving along tunnel groove, left and right repeatedly
Applicable Air Jet Loom Makers	All AJL makers: Brush position adjustment is possible
Rotating Brush Component/Traveling Speed	Speed: 830 rpm (right and left reversible spin) / Approximately 50 cm/min
Rotating Brush: Materials/Outer Diameter	Horse Hair / 16φ
Setting of Repeating Time	By control knob
Display	Repeating time / Setting time
Power Source	Rechargeable: 100 V - 240 V Single Phase
Time required for full recharging	About 6 hours
Max. Cleaning time at full recharged	About 3 hours
Dimensions	376mm×140mm×100mm
Weight	4.5Kg

SUB-NOZZLE INSPECTOR

Model	TR-7700SN
Use	Equipment for measuring air pressure from sub-nozzle using three pitot tubes with display.
Applicable Air Jet Loom Makers	All AJL makers
Pitot Tube Component	Outer diameter: 1.0φ
Display	Analog meter mode / Bar graph mode (40KPa)
Sub-nozzle measurement range	Sub-nozzle ~ Pitot tube distance: 40 ~ 100 mm
Power Source	Type AAA batteries: 2 pieces / USB power source
Main Body: Materials	Made of hardened plastic
Method of Fixation	Magnet (Lightly push the instrument to the reed)
Dimensions	177 mm x 96 mm x 37.5 mm
Weight	500g

PORTABLE AIR CHECKER

Model	TR-7800AC
Use	Equipment for measuring tunnel reed air flow level using an air jet nozzle and a pitot tube with display.
Applicable Air Jet Loom Makers	TSUDAKOMA, TOYOTA
Sub-nozzle Block	Hole diameter: 1.5φ
Pitot Tube Component	Exterior Diameter: 1.0φ
Display	Numerical mode / Graph mode
Measuring Accuracy	Tolerance: ±10% *Precision as established by the master reed in Takayama Reed.
Air Supply Pressure	0.6 MPa or more: Supplied from the loom regulator
Power Supply	Type AA batteries: 2 pieces / USB power source
Main Body: Materials	Made of hardened plastic
Method of Fixation	Magnet (Lightly push the instrument to the reed)
Dimensions	157 mm x 84 mm x 57 mm
Weight	700 g