

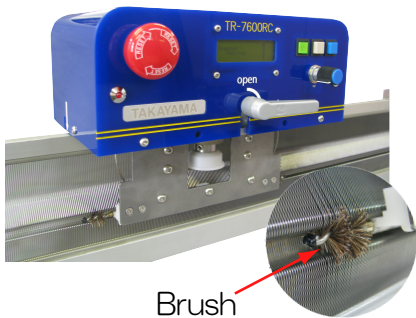
# Maintenance Tools for Air Jet Loom Reeds

UPGRADED

As air jet loom operation time elapses, subtle changes in various elements of the reed and sub-nozzles become evident. This maintenance tool series assists with continued, stable loom operation.

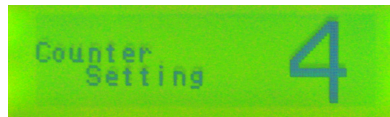
## ON-LOOM REED CLEANER

TR-7600RC



Brush

- This product cleans the reed with the warp still drawn in. It automatically runs along the top of the reed as it cleans.
- Previous versions of this device required an electrical power source, but this newest version is a battery-powered, re-chargeable product, allowing for cordless, easier cleaning.
- Debris built 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.



Repeat cycle setting

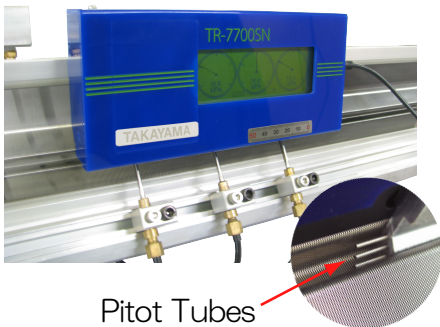


Completion of cleaning

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## SUB-NOZZLE INSPECTOR

TR-7700SN

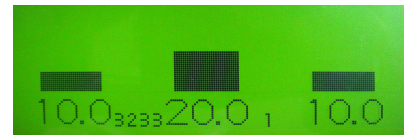


Pitot Tubes

- This device displays visual confirmation of sub-nozzle air shower dispersion pattern, which is a basic component of stable air jet loom operation, by measuring the air showers with an encoder.
- This device can be used for reeds up to 5,000 mm in length ( up to 5 data sets).
- The stored data can be transmitted to a PC via a USB cable connection.
- The data transmitted to the PC also can be viewed in graph format and exported as a CSV file.



Analog meter mode

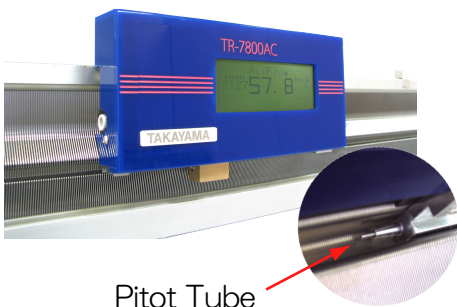


Bar graph mode

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## PORTABLE AIR CHECKER

TR-7800AC

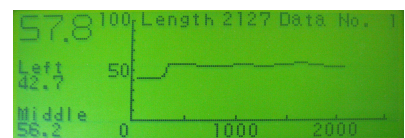


Pitot Tube

- Following loom makers' standards (TOYOTA, TSUDAKOMA), this device can easily measure air flow values of tunnel reeds.
- Tunnel air flow peculiarities caused by abrasion and debris can be measured continuously by the encoder and displayed digitally. Graphs can also be displayed.
- Up to 10 data sets from reeds with max. length of 5,000mm can be stored.
- The stored data can be transmitted to a PC via a USB cable connection.
- The data transmitted to the PC also can be viewed in graph format and exported as a CSV file.



Numerical mode



Graph mode

PAT.

# Maintenance Tools for Air Jet Loom Reeds

## SPECIFICATIONS

### 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: 1600 rpm (right and left reversible spin) / Approximately 50 cm/min
Rotating Brush: Materials/Outer Diameter	Horse Hair / 16φ
Setting of Repeating Cycles	By control knob
Display	Repeating time / Setting time
Power Source	Rechargeable: 100 V - 240 V Single Phase
Time required for full recharging	About 10 hours
Max. Cleaning time at full recharged	About 4 hours
Dimensions	210mm×160mm×113mm
Weight	2.5Kg

### 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)
Data storage capacity (Unit)	Max. 5 data of max. 5,000mm (Continuous measurement by encoder)
Data output (PC)	Graphical display and CSV output
Power Supply	Type AA batteries: 2 pieces / USB power source
Method of Fixation	Magnet (Lightly push the instrument to the reed)
Dimensions	202mm×98mm×35mm
Weight	700g

### 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	TOYOTA . TSUDAKOMA
Sub-nozzle Block	Hole diameter: 1.5φ
Pitot Tube Component	Exterior Diameter: 1.0φ
Display	Numerical mode / Graph mode
Data storage capacity (Unit)	Max. 10 data of max. 5,000mm (Continuous measurement by encoder)
Data output (PC)	Graphical display and CSV output
Air Supply Pressure	0.6 MPa or more: Supplied from the loom regulator
Power Supply	Type AA batteries: 2 pieces / USB power source
Method of Fixation	Magnet (Lightly push the instrument to the reed)
Dimensions	202 mm x 108 mm x 35 mm
Weight	700g