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FANYUAN INSTRUMENT (HF) CO., LTD.
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DW598 FULL-AUTOMATIC RAPIER SAMPLE LOOM



Main machine



Control panel



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MODEL NO.

DW598 (former model Y300S)

Application:

DW598 Full-automatic Rapier Sample Loom is used for sample weaving of various fabrics, such as cotton, wool, flax, silk, chemical fibre, blending, etc. It consists of shedding mechanism, weft insertion mechanism, beating-up mechanism, take-up mechanism, let-off mechanism, automatic weft selection mechanism, weft break stop motion, electrical control mechanism, etc. It is widely used in weaving mills, scientific research units, textile institutes and foreign trade companies, etc.

Related Standards:

STANDARDS			
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Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Features:

- Consists of control part (computerized control platform) and mechanical part (loom);
- Weft inserting with rigid rapier, suitable for 7s~100s cotton, terylene/cotton, chemical fibre and other fabrics;
- Stepper motor driving let-off device, automatically adjust warp tension;
- Imported pneumatic control element, can control 20pcs heald frame at most, easy to mount and dismount heald frame;
- Heald frame adopts die drawing aluminium alloy profile, with hard oxidation wear-resisting treatment;
- Adjustable pneumatic controlled beating-up mechanism, large force and adjustable moment of force, suitable for fabrics of high count and high density;
- Electronic control take-up mechanism driving by imported stepper motor and reducer, 10~300pcs/inch of weft density.



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Key Specification:

- Reed width 12 or 20 or 24 inches (optional)
- Yarn range 5-500tex
- Speed 30~45 weft/min, adjustable
- Color selection 8 color, full automatic, pneumatic control
- No. of heald frame 4~20
- Take-up stepper motor control
- Let-off active electronic control
- Shedding computer control, pneumatic
- Beating-up pneumatic control or servo motor driving
- Weft insertion pneumatic control or servo motor driving
- Air source
 - Pressure 0.45~0.75MPa,
 - Air consumption 530L/min max. (12"), 630L/min (20", 24")
- Power supply 220V, 50Hz

Standard configuration:

No.	Item	Quantity
1	Main machine	1set
2		
3		
4		

Optional Accessories:

No.	Item
1	
2	