

# RFTL80

## TERRY RAPIER WEAVING MACHINE

RFTL high speed terry rapier weaving machine is capable of carrying out free switching of terry weaving from 3 to 7 wefts. It also carries out automatic change of weft density during operation. It is not only used in the manufacture of normal terry cloth, but also used in the manufacture of pile fabric, pique, crimped terry cloth, single face terry cloth and other high level terry cloth. This rapier loom is equipped with electronic weft unwinding and fabric winding, reed tucking motion device and electronic control unit.

### Reed width (cm)

Nominal reed width:	190, 200, 210, 210, 230, 230, 260, 280, 280, 300, 320, 340, 340, 360, 380
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Effective reed width:	0~80cm
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Shedding:	Electronic jacquard. Staubli electronic dobby (up to 20 frames).
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Automatic programmable weft density variation in dobby and jacquard.



## Features:

1. RFTL high speed terry weaving rapier loom features precise servo controlled looping motion:

It uses a microprocessor CPU to manage and monitor the electronic winding and winding parameters for synchronous weaving.

2. Full control

This weaving machine has the capability for bi-directional communication through a large LCD screen that can be set and adjusted to various parameters in real time in order to reduce labor cost.

3. Weft insertion system

The shuttle is driven by the space crank of the connecting linkage in order to effectively improve the speed as well as to ensure accurate and stable movement of the shuttle and weft connection in high-speed operations. This reduces weft breakage and improves weft insertion efficiently.

4. Drive system

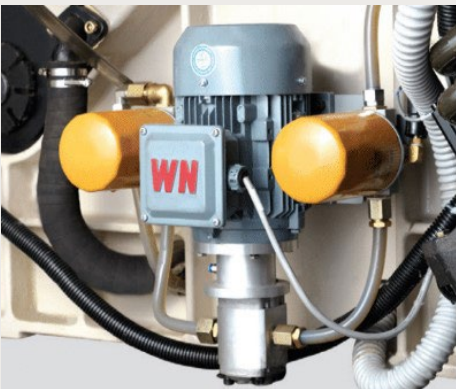
This weaving machine uses a reluctance mechanism switch for direct drive and a clutchless belt. The machine carries out automatic speed change during start-up, which reduces energy consumption by 10-30%, ensuring the machine is economical and energy-saving.

5. Reed motion and loop motion

This loom uses reed tucked fuller motion for making terry cloth, thus reducing the secondary friction with the yarn. The accuracy is 0.01mm.

6. The electronic weft selector is controlled by the stepper motor

It has a selection of 2 to 12 weft colors.



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