



**SIMPLEX MACHINE**  
**MODEL : FA 471**

**Technical Specification:**

Spindle Gauge	220 mm
No. of Spindles	24
Machine Type	2 right hand/ 2 left hand
Adaptable Staple Length for Cotton	22-38 mm
Size of Bobbin	Dia.45 mm, length 445 mm
Flyer Spindle Shaft Diameter	22 mm
Full Package	Dia.152 mm length 406 mm
Suitable Count	Nm 0.8-5.0 or 6-60 s
Total Drafting Range	4.13-13.28
Twist Range	1.76—7.44/10 CM
Flyer Type	Closed type with stainless tube with aluminum presser.
Programmable Controller (PLC) Adopts	SIEMENS/DELTA/FUJI

# SHANGDONG TONGDA TEXTILE MACHINERY (GROUP) CO. LTD

Frequency Converter	One inverter for flyer and roller, one inverter for lifting and winding.
Drafting System	Four-roller short double apron system, with texparts pendulum arm SKF-PK1500/TEXPARTS top roller LP1015, LP1015, LP1017, LP1015 and OH514 top apron cradle, cot of armstrong or high quality other chinese origin drafting system.
Top Rollers Size	Outside dia. 28, 28,25, 28 mm, width 40 mm, hardness: 800 ±30. Armstrong/china.
Rubber Cot Maker	Armstrong or high quality other chinese origin
Top Apron Size	Inside dia.37 mm, thickness 0.9±0.02 mm width:39.5 mm.
Bottom Apron Size	Inside dia.38 mm, thickness 1.2±0.02 mm width:39.5 mm .
Bottom Rollers	Dia.: 28.5 mm, 28.5 mm, 28.5 mm, 28.5 mm fluted hardened chrome-plated bottom roller with needle bearing. Front, 2nd, back -helical & 3rd-knurled.
Mechanical Spindle Speed	Max. 1600 rpm practical spindle speed: up to 1200 rpm(for cotton), up to 1400 rpm (for polyester).
Creel	Gantry creel with five rows of guide rollers with bearing system (500x1100 mm, stainless) positive driven.
Counter	Pre-determined length counter.
Shift counter for 4 shifts	3 shift in normal, 1 for spare
Stop motion	Five photocells are equipped
Signal lamps numbers and each function	Minimum 4 pieces
Multi-display panel	Spindle speed, fixed length, accumulated length, current Length.