



**ARUN**™

AN ISO 9001 : 2008 CERTIFIED COMPANY



CTN 110D - 150D

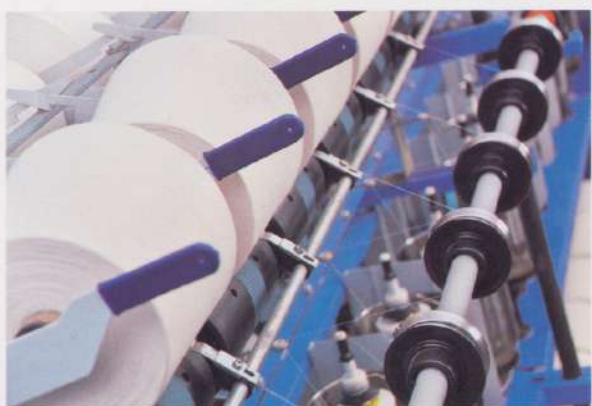
**Two|For|One|Twister|**

FOR COTTON / SPUN YARN

### **Cradle**

The cradle is designed such that it can be adjusted to hold take up packages of different taper angles.

Cradle tension device maintains constant contact pressure throughout the complete take up process.

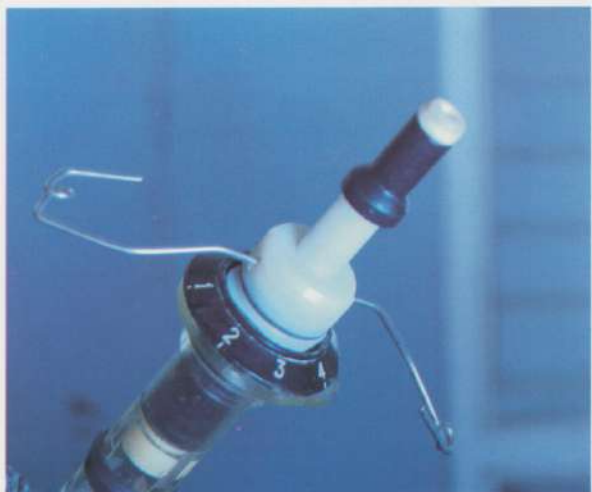


### **Auto cradle - lifting device (Optional)**

In case of yarn breakage or when the supply package is finished the cradle will be lifted automatically.

### **Tension Device and Tension device holder**

Easy setting capsule type tension device is provided for smooth yarn path. Tension device holder is provided on spindle mounting channel to hold the tension device during doffing, to keep the floor area clean.



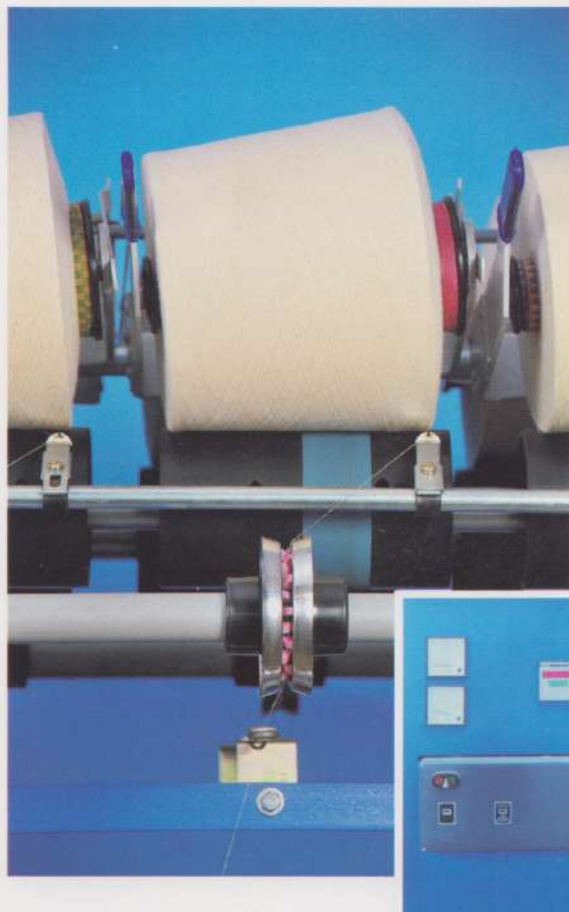
### **Dropper**

In case of yarn breakage, the supply of thread will be stopped by the action of dropper and at the same time cradle lifting device will come into action.



### **Take up package**

High precision cam in the gearbox gives perfect package build even at high speed.



### **Control Panel**

Slow start by Star - Delta panel with rpm, tpm, yarn speed display, ammeter and S&Z Switch.



### Main Features

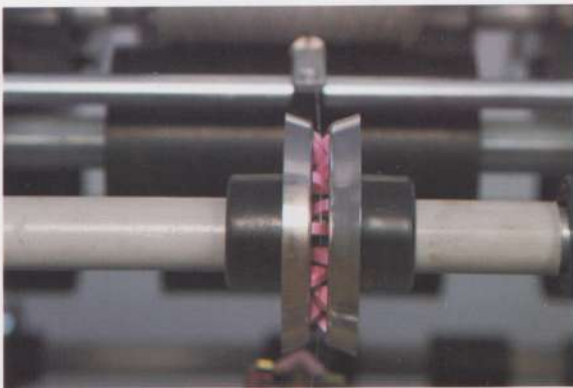
- High quality for fine and coarse counts
- High productivity and efficiency
- Low power consumption and maintenance
- Dynamically balanced spindle with high grade hardened steel
- Overfeed roller with stainless steel and ceramic guides
- Gearbox in oil bath
- Slow start by Star - Delta panel with rpm, tpm, yarn display, ammeter and S&Z Switch

### Spindle & Bolster

ARUN manufactures high quality spindles and bolsters which exhibit excellent dynamic balance and durability even while operating at high speeds.

### Overfeed

The required take up package density is precisely controlled by overfeed roller, which is provided with stainless steel discs and ceramic guides.



### Free Ballooning

ARUN adopts the Free Ballooning system to retain the yarn quality without damaging the yarn.

### Anti - patterning device

Built in the gear box, this device prevents patterning of the yarn on the take up package.

### Aluminum Pot (Anodized)

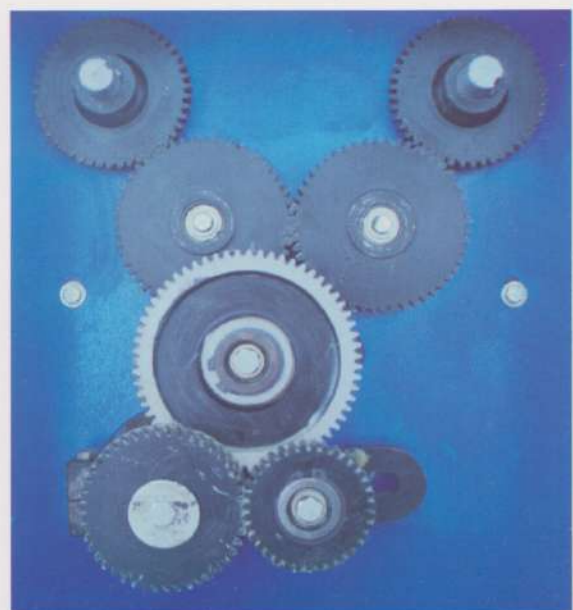
Different sizes & shapes of pots are available for various yarn counts to meet the different requirements of customers.



### Gearbox (in oil bath)

Heavy and sturdily designed gearbox with anti pattern device and cam mechanism manufactured with graded casting & operating in oil bath gives life time performance. Thus it gives perfect package build even at high speed with low maintenance.

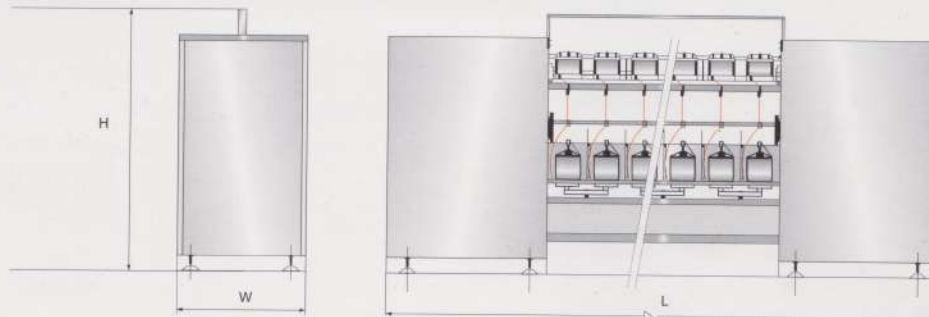
Front positioning of the change gear train makes the changing of gears simple in case of altering the TPM and S / Z orientation.



## TECHNICAL SPECIFICATIONS

Pot diameter	110 / 120 / 140 / 150 mm
Max. Take up Package Weight	Up to 2 kg
Twist range	6 to 50 TPI
Count range	2/10 to 2/120 Ne
Spindle gauge	210 mm
<b>Feed Package / Supply Package</b>	
Max. Length	170 mm
Weight	Up to 600 gm
Traverse Length	152 mm
<b>Delivery Package / Take up Package</b>	
Max. Length	170 mm
Max. Weight	Up to 2 kg
Conicity	3° 30" / 4° 20" / 5° 57"
Traverse	152 mm
Max. Spindle speed mechanical	12000 rpm
Spindle drive	Tangential
Tension Device	Capsule type Tension Device
Panel	Slow Start By Star - Delta Panel With rpm, tpm, Yarn Speed Display Meter, Ammeter, S & Z Switch

### OVER ALL DIMENSIONS AND INSTALLATION DIAGRAM



NO. OF SPINDLES	NO. OF SECTIONS	MACHINE DIMENSIONS			MOTOR		
		LENGTH (ft)	WIDTH (ft)	HEIGHT (ft)	110/120 (hp)	140 (hp)	NOS
240	10	53'	3'	6' 2"	5	7.5	2
264	11	57' 6"	3'	6' 2"	5	7.5	2
288	12	62'	3'	6' 2"	7.5	10	2
312	13	66' 6"	3'	6' 2"	7.5	10	2
336	14	71'	3'	6' 2"	10	12.5	2
360	15	75' 6"	3'	6' 2"	10	12.5	2

Motor capacity depends on spindle speed, yarn count and twist range.



**ARUN**<sup>TM</sup>

TEXTILE ENGINEERS PVT. LTD.

*Reliable Partners In Progress*

45, Jasukaka Wadi, Opp. Leprosy Hospital, A.k. Road, Surat-395008. (Gujarat) INDIA.

Tel. +91-261-2552222, 2550061 Fax: +91-261-2551836

Website : [www.aruntexeng.com](http://www.aruntexeng.com) Email : [info@aruntexeng.com](mailto:info@aruntexeng.com)

\*Technical specifications are subject to change without specific prior notice due to continuous development