



Name: 1600mm-(1+3)B Cable Laying Up Machine
[CCCS: Center Computer Control System]

1.] Main specification:

- 1.1.) Type of machine: planetary type either back twist or non-back twist for assembling round and sector core cable laying up (prespiral sector & straight sector) with Auto position sensor device
- 1.2.) Application: for laying up of 3 or 4 cores cable
 - 1.2.1.) Round core: 20-500 m m² each core
 - 1.2.2.) Prespiral sector: 30-500m m² each core
 - 1.2.3.) Straight sector: 30-250m m² each core
- 1.3.) Drum size:
 - 1.3.1.) Cradle bobbin: 1600mm DIN standard
 - 1.3.2.) Take up drum: 2600mm Max.
- 1.4.) Pay off bobbin loading: by overhead electric hoist
- 1.5.) Laying up pitch: 100 - 1500mm digital stepless pitch setting
- 1.6.) Rotating speed: 20RPM Max.
- 1.7.) Line speed: MPM Max.
- 1.8.) Operation panel:"CCCS" center computer control system:
 - 1.8.1.) Synchronization between strander and caterpillar for constant laying up pitch.
 - 1.8.2.) Synchronization between strander and tapping head for constant tapping pitch.
- 1.9.) No. of cage:
 - 1.9.1.) Center supply cage with one carrier
 - 1.9.2.) Main cage with three carriers
- 1.10.) Main motor:
 - 1.10.1.) HP DC motor for strander.
 - 1.10.2.) HP DC motor for caterpillar
 - 1.10.3.) HP DC motor for tapping head
 - 1.10.4.) HP DC motor for take up stand



2.] Machine composition:

- 2.1.) 1600mm center core cage..... 1 set
- 2.2.) 1600mm 3 cores main cage 1 set
- 2.3.) Sector auto-adjust rollers..... 1 set
- 2.4.) 12B Jute holder 1 set
- 2.5.) Die stand 1 set
- 2.6.) 600mm 2-pads eccentric tapping head..... 1 set
- 2.7.) Length counter 1 set
- 2.8.) kg Hual off caterpillar 1 set
- 2.9.) 2600mm take up stand 1 set
- 2.10.) "CCCS" operation system 1 set
- 2.11.) Driven motors c/w panel 1 lot

3.] Standard spare parts:

- 3.1.) SCR for DC driver..... 3 pcs
- 3.2.) High speed fuse for DC motors 3 pcs
- 3.3.) Carbon brush for rotor 3 pcs
- 3.4.) Carbon brush holder for rotor 3 pcs
- 3.5.) Sensor for length counter 1 pc
- 3.6.) Consume electric parts..... 1 lot
- 3.7.) Tools for operator 1 set

4.] Detail specifications:

4.1.) Center core supply cage:

- 4.1.1.) Type: cradle carrier type, each end supported by bearing support
- 4.1.2.) Load of drum: shaft less type, load of drum done by electric hoist.
- 4.1.3.) Pay-off tension: Asbestos band type slip brake
- 4.1.4.) Cradle synchronization: Transmitted through gear box, rotating in same revolution and same direction of 3B cradle
- 4.1.5.) Cradle drum size: Choice one as follows
 - a.) 1600mm DIN-46395 standard drum size
 - b.) Customer's option size.
- 4.1.6.) Twist control: back twist or not back twist operated by a mechanical clutch with pneumatic control
- 4.1.7.) Synchronizing: S & Z rotating in same revolution and same direction as main cage (3B cradle)
- 4.1.8.) Safety fences: Owner's supply. (Seller offer drawings)

4.2.) Main cage:



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