

MACHINE for

CONTINUOUSLY TRANSPOSED CABLE

TCT ENGINEERING CO., LTD.





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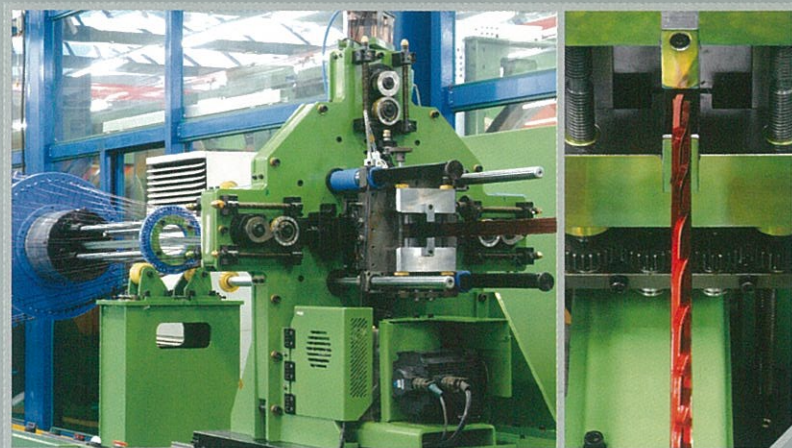
CONTINUOUSLY TRANSPOSED CABLE MACHINE



1. Cage : No central shaft system

1. No of cage : 8 reels / cages(1~11)
2. Spool size : Ø500 X 350L X 230KG/spool, Bore : Ø56
3. Speed of cage turning : 0~40rpm
4. Working height : 1250mm
5. Individual turning : Engaging by magnetic clutch
6. Bobbin setting on hanger : pneumatic open & shut on the pintle of hanger.

**cages are designed for easy installation without central shaft.



2. TPS (Transposing system)

Transposing system is designed for manufacturing soft copper with maximum tensile strength up to 28kg/mm².

1. Conductor Size :
Thick 0.9mm~2.5mm x Width 3.0mm~12.5mm
2. Conductor No : 5~87 lines
3. Crimp length (cross over length) : 15~40mm
4. Transposing pitch : 30~ more than 200mm
5. Speed : 180 Pitch/min

*Maximum conductor section area not to exceed 30mm²



3. Taping head

Each taping head is operated on the mini panel with inching, start/stop, emergency stop button. and has auto tension linkage and tape broken sensor.

1. 8Tape X 3Heads = total 24 Tape wrapping
2. Speed : 0~600rpm
3. Tape reel : Ø500 X 19~40mm
4. Spring tension device
5. Tape broken sensor



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4. Caterpillar

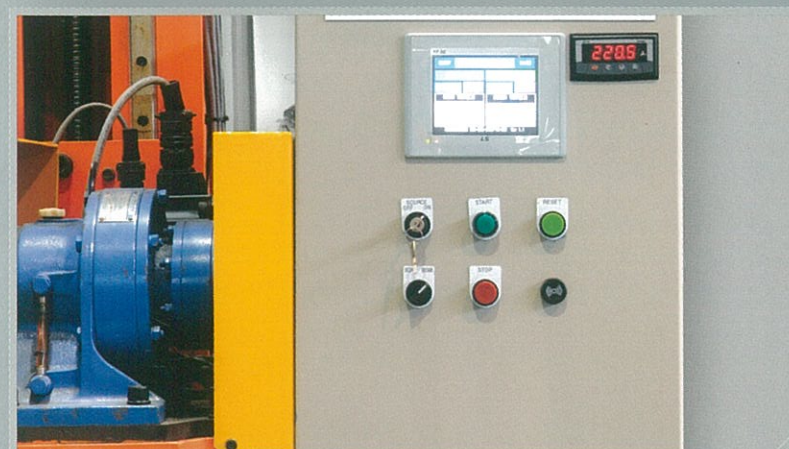
There are 8 pneumatic cylinders to open/shut the belt. Tensioning of the belts is controlled by means of a pneumatically actuated 8 cylinders.

1. pulling power : 1.5Ton x 20m/min
2. Diverting range :
0~90 degree (horizontal to vertical)
3. Air pressing :
regulating pressure 2~7kg/cm²



5. Winder

1. Bobbin : Ø2000 x 1000L
2. Lifting capacity : 6ton
3. Lifting stroke : 450~1200mm
4. Winding is made by the AC servo motor.
5. Traversing is made by the vector controlled AC motor.



6. Spark tester

1. 24 volts is applied for spark test during production of CTC.
2. 500 volts spark test can be made for the finish products.

7. CTC Machine Model Number

MODEL No.	TCM80	TCM60
Number of Reels per Cage	8	6
Number of Stands	8~88	6~66

