

WIRE TRANSPOSING LINE – CTC

for transposed and insulated flat wire





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WIRE TRANSPOSING LINE – CTC



for transposed and insulated flat wire



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The line is composed as following:

Cage for down twister stranding coils composed of rotating discs with no. 8 coils \varnothing 560mm. During the development the rotating discs rotate and the coils remain always in horizontal position thanks to a system of chains and bevel gears.

The cages will be of no. 24-32-40-48 coils.



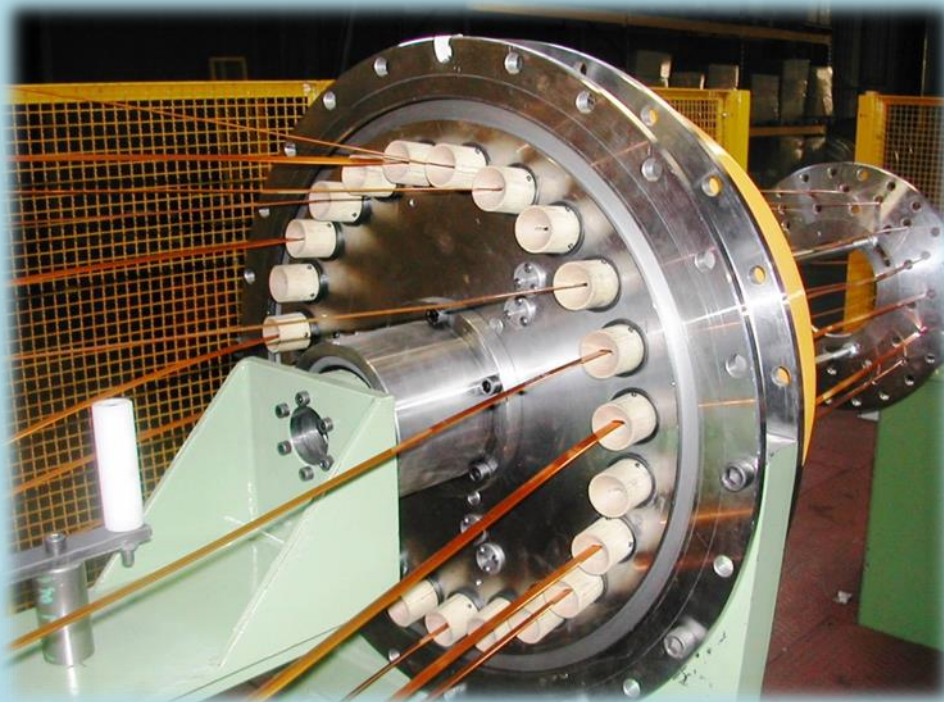
The disks are connected by a central sturdy shaft supported by a bearing in the back position. In the front part and in the central part of the cage the discs are supported by a roller system in Gesadur anti-wear.



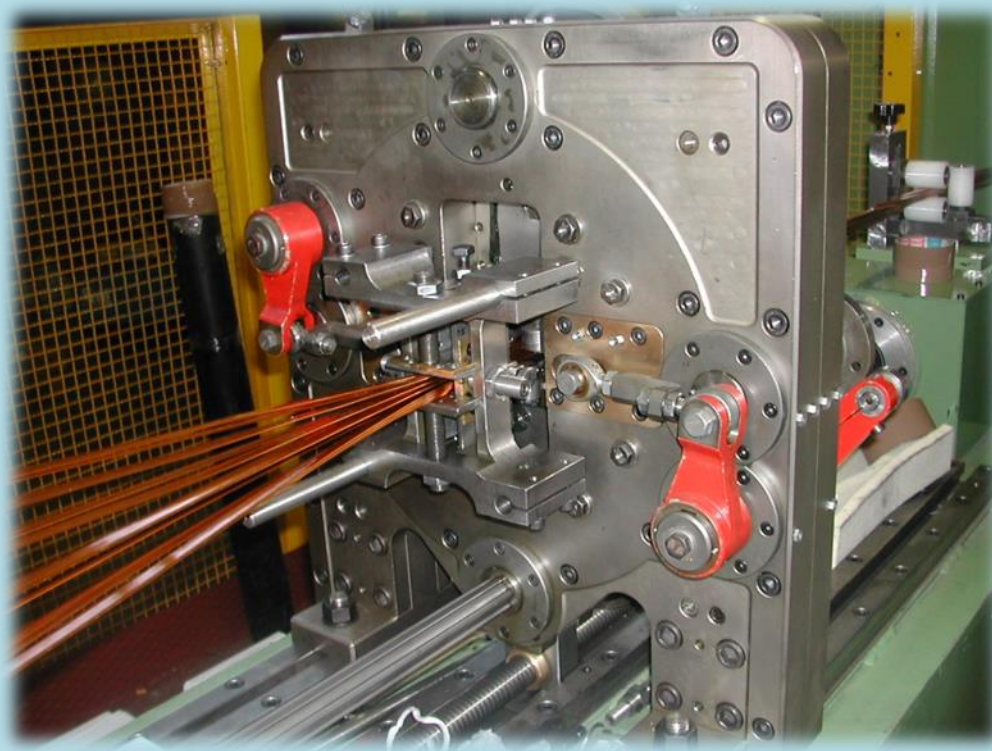
The coils cradles are completed of an independent braking system. If the customer needs it can be composed by a disc and pneumatic tailstock or regular strip with ferodo.



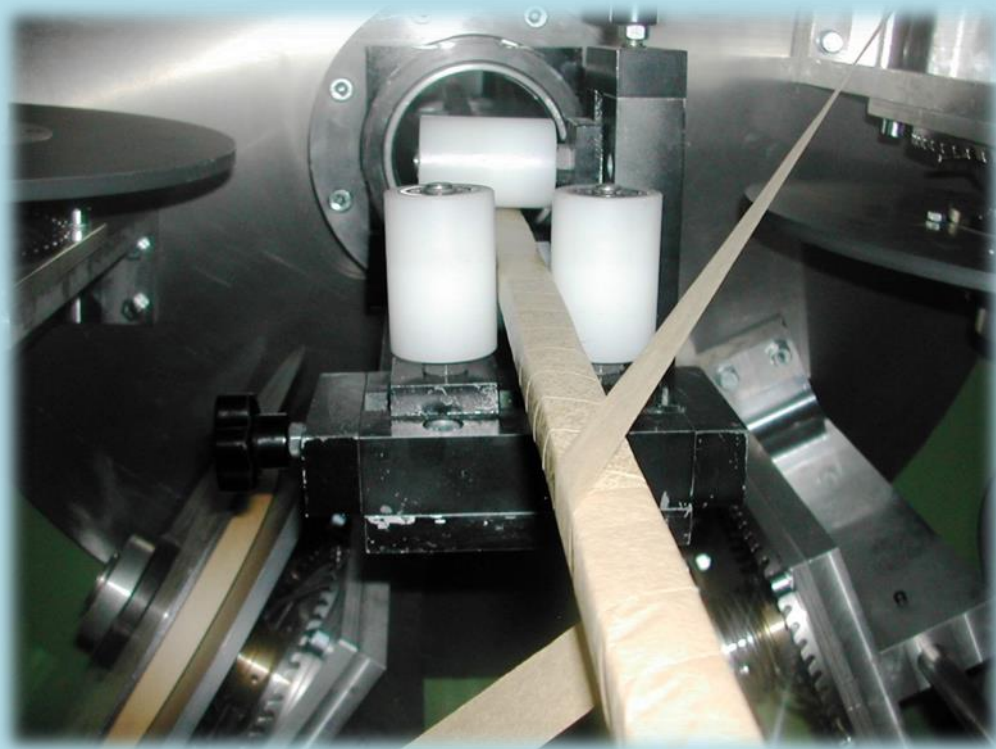
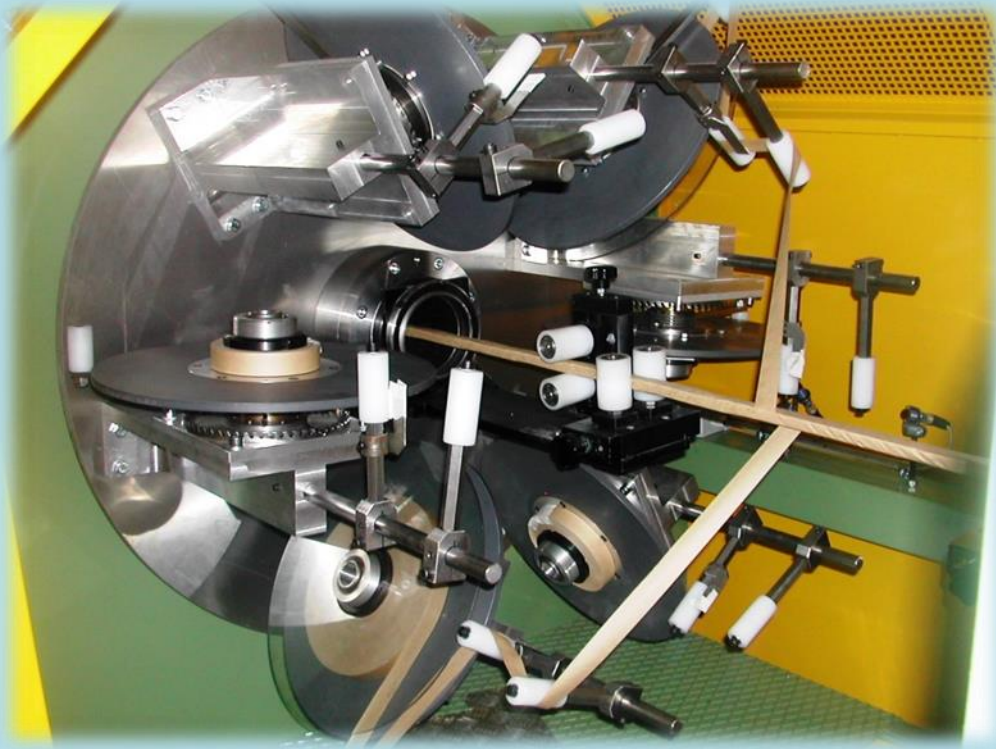
In order to ensure the parallelism and maintain the proper arrangement the flats wire are moved by a mechanical stranding machine that it is mechanically connected to the rotation of the unwinding cage.



The transposition will be effected through an Arens transposing head thanks a sophisticated system of levers but easy to adjust.



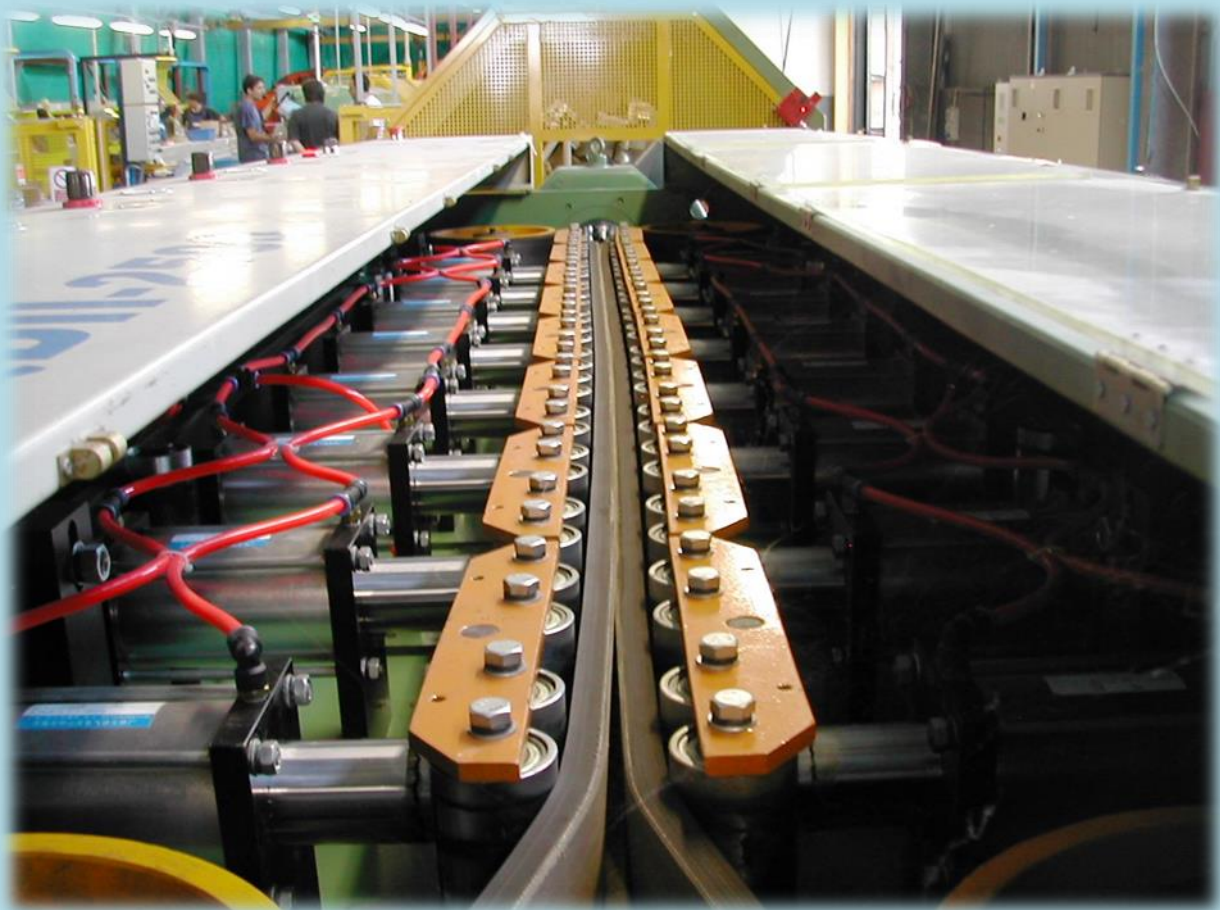
At the exit of the trasposing head the transposed conductor will be insulated by one or more tangential isolation modules with tape in paper or other materials.



The dragging of the transposed conductor will be effected by a drawing type "Caterpillar" composed of rubber straps with adjustable closing pressure.



It's possible to rotate the drawing of 90 ° in order to drag the cable in both axes



At the end of this process the insulated and transposed conductors will be winding through a take-up portal in order to receive a wide range of coils. During the winding process the coil is made to translate in such a way as to be able to wind the conductor in "turn-turn" and through a special equipment it is controlled the isolation of each flat wire.



Electrical board completed of touch screen interface with the operator for setting of all production parameters.



TECHNICAL DETAILS OF THE TRANSPOSING LINE CTC

Transposing height : min. 3,50 mm - max. 85,00 mm

Transposing width: min. 4,00 mm - max. 25,00 mm

Width of flat wire: min. 2,00 mm - max. 12,50 mm

Thickness of the flat wire: min. 1,00 mm - max. 4,00 mm

Number of flat wire: min. 5 - max. 47

Alimentazione trifase: 380 v - 50 Hz

Three phase power: 380v -50 Hz

Contact:

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