



STEELCORD

The steel cord, also called tire cord, is representing a big part of our customers.

FIB can even claim being the first components manufacturer in the world in the field of equipments for patenting and diffusion on the market of the steel cord producers.

6 kinds of equipments are aimed at the tire cord producers:

- ☞ The austenitizing furnaces
- ☞ The steel lead quenching furnaces
- ☞ The Ecoquench (quenching fluidized bed)
- ☞ The HCl covered pickling bath
- ☞ The diffusion fluidized bed
- ☞ A new development of austenitizing fluidized bed (patent pending) that has been elaborated in collaboration with the European Commission.

In the field of patenting, FIB is having a complete command of the process through its advanced technology in open fire and in equipments for the quenching of wires. It is also in this sector that FIB, particularly through its active presence in Japan, has highlighted the advantages of Ecoquench in the field of steel cord.



Lastly, the diffusion fluidized bed designed by FIB has revolutionized the approach of the production of steel cord while offering a multi-wires system that is easy to use and is ensuring a perfect diffusion of the wires without any risk of breaking load loss. It is also in this field that FIB has developed, in collaboration with the European Commission, a new concept of austenitizing furnace in fluidized bed which is allowing to heat the wires at least twice as quick as in an open fired furnace while perfectly controlling the dissolution of carbides.