

T.T. Tomorrow Technology delivers automatic mixing and skimming units to Arzyz Metals

In October this year T.T. Tomorrow Technology SpA shipped to Arzyz Metals two automatic units for mixing and skimming the side wells and a multifunctional tending vehicle for charging and cleaning the new melting furnaces. Arzyz Metals, located 30 km north of Monterrey, Mexico, is specialized in the production of non-ferrous alloys serving various industry sectors.

Automatic units similar to those supplied to Arzyz Metals and manufactured by Tomorrow Technology for the continuous process of mixing the scrap inside the charging side well of melting furnaces are successfully in use and appreciated by its customers for being user-friendly and operation effective. These units are set in an automatic cycle to grant a perfect mixing and submersion of the floating scrap on the metal bath, thus ensuring a quick and high-quality melting process.

The same machines can carry out the skimming of the side wells in automatic mode, with no need of any operator attendance. This

operation takes only a few minutes, granting no contact and damage to the refractory lining. As a result, the nominal capacity of the furnace



side well and the lining lifetime is preserved.

Side well bottom cleaning operations, which are crucial for the quality of the finished product, can also be performed by these units. An on-board operator acts through a remote control and, thanks to the elevated position, clearly

monitors and quickly carries out the operation, removing the slag deposited on the furnace bottom and on the side wells.

Tomorrow Technology has supplied a wide range of tailor-made automatic mixing, skimming and cleaning units. Advantages of mixing, skimming and cleaning with Tomorrow Technology units are:

- Effective, accurate and quick skimming operation
- Pre-programmed cycles to avoid contact and damage to the refractory lining and furnace sides
- Improved metal recoveries
- Preservation of the refractory lining and extending its lifetime
- Reducing the number of operators and vehicles necessary to the furnace management
- Shorter opening times of the furnace door, resulting in less hydrogen absorption, less metal oxidation and considerable savings in thermal energy
- Keeping the furnace clean and fully efficient.