It works on the furnace door to clear slag by injecting oxygen at supersonic speed through a consumable tube. The lance is supported and moved by a manipulator anchored to the platform or onto another surrounding rigid structure. The set can be placed at a distance on either side of the door. By twisting the arm, the lance is positioned over the slag tunnel so that the generated oxygen dart melts the trapped slag. Besides the oxygen lance, the machine can incorporate an additional coal lance for the generation of foaming slag, and another oxygen lance. This machine can be combined with the sample-taking and temperature-measuring LABETEMP to make better use of the space.

**Characteristics:**

- Use of O\textsubscript{2} for decarburisation and generation of slag.
- Possibility of an additional coal lance for the generation of slag.
- Remote control from the furnace room or by radio control.
- Robust precise equipment.
- Water refrigerated protection shields to protect the equipment from radiation and splashes.
- Easy removal of lances with quick connections at the back.
- Easy maintenance.

**Advantages:**

- Quick insertion of lances in the tunnel.
- Increased O\textsubscript{2} injection time.
- Increased productivity.
- Repetitive and homogeneous results.
- The oxygen speed when coming out of the nozzle helps quick decarburisation.
- The amount of O\textsubscript{2} used for the formation of foaming slag is optimised by injecting it below the slag but on top of the bath.
LABEA is a highly qualified team of engineers specialized in the steel world. LABEA combines the experience of the founder, Mikel Mendiola, with over 25 years of experience in technical management positions in the steel world, with the enthusiasm and expertise of a young but very experienced team.

An exceptional human team using the latest technology in the market in an exclusive workshop for control and development of own products.

We find solutions to technical problems in the steel world, based on four basic premises:

- **THE SAFETY OF THE PEOPLE WHO PRODUCE STEEL.**
- **SAVINGS, ESPECIALLY ENERGETIC ONES.**
- **EFFICIENCY OF ITS PROCESSES.**
- **ENVIRONMENTAL CARE.**

Through the creation of completely new equipment or modernization of existing equipment (REVAMPINGS) Simple equipment, easy to use. Reliable equipment that do not require maintenance. In short, equipment designed to suit customer needs.