

Aluminium Casthouse

www.insertec.biz

Furnaces & Refractories

Insertec designs and manufacture a wide range of furnaces and refractories for aluminium casthouses, for processing billets, slabs, coil, foil, cable, on a turn-key basis.

Industrial sector

- . Primary smelters
- . Billets for extrusion
- . Slabs for rolling mill
- . Continuous rolling mill
- . Cable & rod

Casthouse processes

- . Melting, holding, alloying & casting
- . Heat treatment homogenizing, annealing
- . Ingot sows preheating & drying

Melting & holding furnaces

- . Tilting & static reverbs, up to 150 ton
- . Sidewell & alloying furnaces
- . Multi-chamber and dry hearth

Heat treatment furnaces

- . Billet homogenizing
- . Coil annealing
- . Ingot-sow preheating



\ Tilting reverb furnace



\ Tilting reverb furnace



\ Dry hearth reverb furnace



\ Coil annealing furnace

WHERE ENGINEERING BECOMES HEAT

insertec
Furnaces & Refractories

Aluminium Casthouse

Ancillary Equipment Furnaces & Refractories

www.insertec.biz

Insertec provides ancillary equipment for aluminium casthouse, such as:

Dryers & preheaters

- . Ingots sow dryer & preheater



\ Ingot sow dryer

Combustion systems

- . Conventional air-gas burners
- . Regenerative burners
- . Oxy-gas burners

Stirring systems

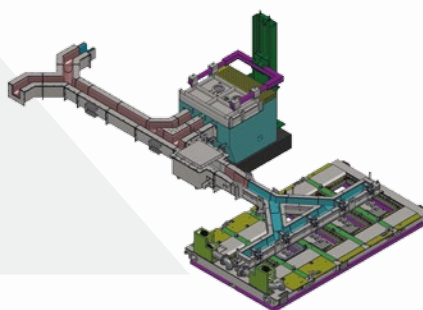
- . Mechanical pumps
- . Electromagnetic stirrer (EMS)
bottom and lateral side mounted
- . Porous plugs



\ Regenerative burners

Launders, inline degas & filter

- . Precast launders and isolation
- . Launder cover heated
- . Inline degasser & filtering systems
- . Automatic launder level control



\ Launders, inline degas & filter

Refractory lining

- . Monolithic masses
- . Precast shapes
 - . Door frame
 - . Dry-hearth and ramps
 - . Roof and walls
- . Floor tiles



\ Precast shape on dry hearth



\ Precast shapes door frame



\ Launder



\ Floor tiles

Etzerre Kaminoa 21 \
48970 Basauri \ Bizkaia \ Spain

Tel.: +34 - 944 409 420 (Furnaces)
+34 - 944 409 450 (Refractories)

insertec@insertec.biz

insertec
Furnaces & Refractories