

### APPLICATION

---

- Large manufacturer of components and equipment for the aerospace industry
- Aluminum solution heat treating
- Load capacity of 900kg
- Working zone 3m x 3.5m x 2.25m

### SOLUTION

---

Pyradia has developed the most advanced line of Drop Bottom Quench Ovens for aluminum solution heat treating. These ovens incorporate state of the art insulation, control system and hoist mechanism which make them the most performing and reliable on the market.

- AMS2750E classe II certified heat treating furnace
- Electro-mechanical hoist system which guarantees a precise and automatic quench cycle, adjustable from 6 to 15 seconds.
- Indirect fired burners complete with heat recuperation assuring an average energy efficiency greater than 70%.
- Four anchorage points enabling the decentering of the load in the working zone unlike systems equipped with only two points.



State of the art indirect gas fired Drop Bottom Furnace is class II

- Economical and ecological solution thanks to a Glycol management system which enables to not only recuperate Glycol from the rinse water tank but also automatically adjust the concentration in both quench tanks.
- A third water tank that can be used either for quenching or rinsing.
- The mobile tank carrier is electronically driven with a multi-motor direct drive system requiring no chains nor sprockets. This configuration minimizes the need of maintenance and increases the lifespan of the equipment.
- Variable frequency drive system. Fully PLC automated loading and quenching systems.