CEREST
Ingénierie Industrielle - Machines spéciales



Upgrading a torch and its seal tracking

Probing with a roller housing

● **Mechanical engineering** ● **Realizations** ○ **Cabling** ○ **Machines**

The objective of this project was to **refresh the mechanics** of weld seam tracking during the change of welding process.

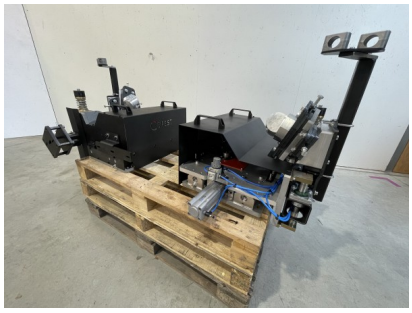
CEREST carried out the necessary **mechanical studies** to integrate a **new welding torch** with a **more complex layout** than the existing torch. The torch and its new tracking mechanics are installed **in place** of the old torch and its mechanics (which dated from the **1980s!**).

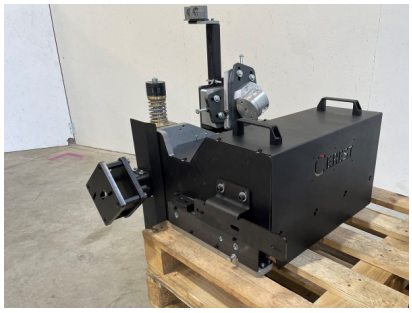
Joint tracking is achieved by a customer supplied **roller housing** which is **rigidly mounted with the torch**. The tracking mechanism allows the torch to follow the **height and depth of the joint**. Springs and cylinder ensure that the roller housing makes contact with the tank.

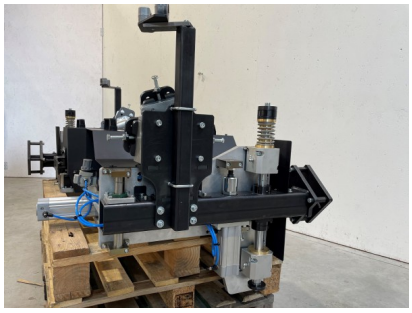
Inductive sensors detect the position of the torch and detect the loss of the probe if this should happen.

SPECIFICATIONS :

- **Probing force 60kN**
- **Possibility to replace the pneumatic cylinder with an electric cylinder in the future**
- **Circular welding of a tank**
- **Supplied: 2 x 2 pairs symmetrical**







Reference : 3600

Project added the 15/11/21

CEREST
20 Rue des Frères Lumiere
68000 Colmar - FRANCE

EMAIL
cerest@cerest.com

PHONE
+33 (0)3.89.21.02.56

INTERNET
www.cerest.com