

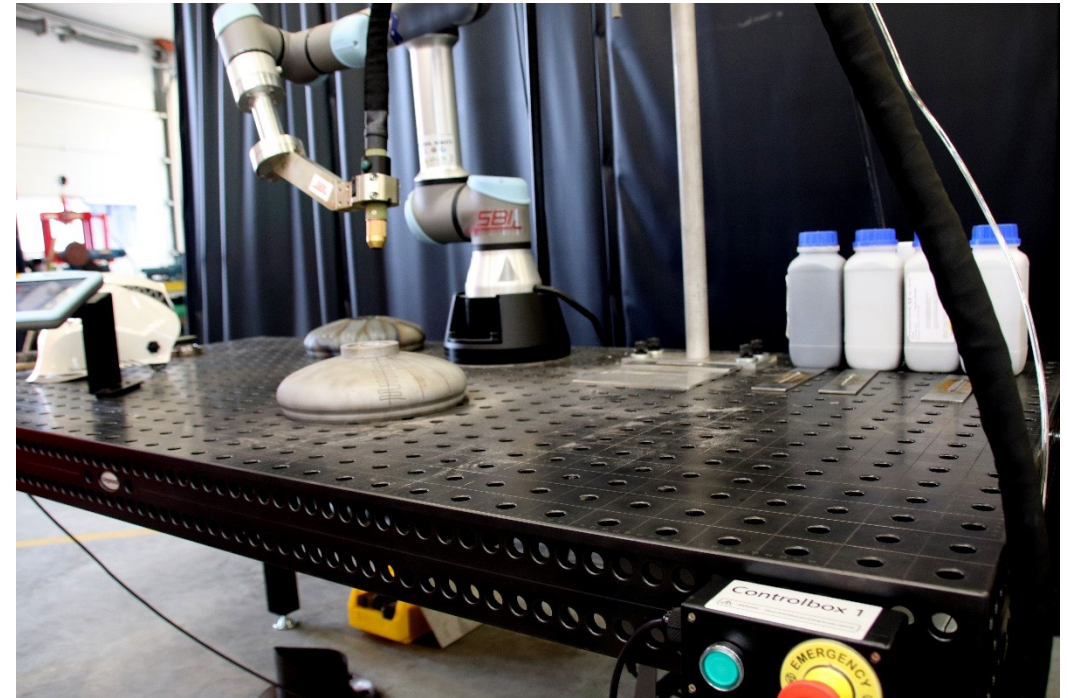
COBOT Welding Cell

When repairing tools in the area of forging, cutting and stamping technology, a new wear layer is often applied using plasma powder technology.

For this purpose, the component usually has to be preheated in order to later correspond metallurgically. This sometimes very high radiant heat represents an additional complication for the manual welder.

Solution: Using a cobot to guide the torch.

Due to the simple programming compared to a standard robot, even single pieces can also be manufactured profitably with all the advantages that mechanization offers compared to manual welding.



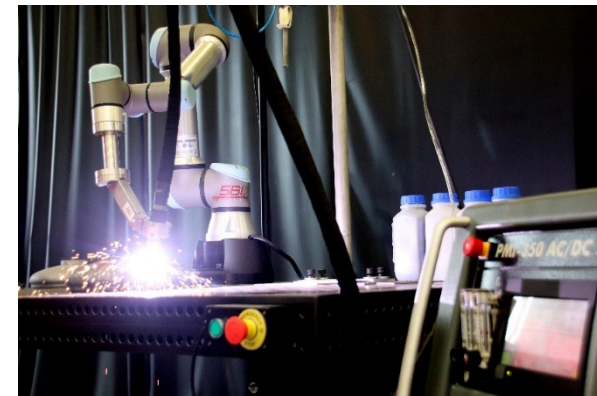
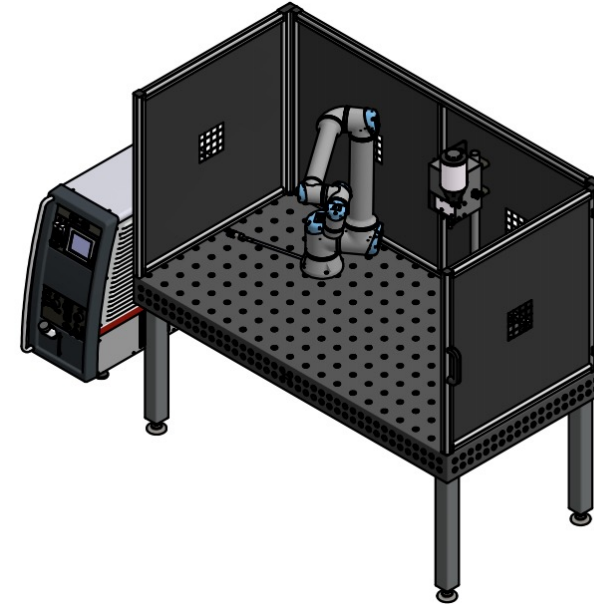
COBOT Welding cell

Complete solution with

- Cobot
- including heat protection housing for the cobot axes
- Welding table
- PMI 350 TL3 powder welding equipment (PTA)
- Function- APP for PMI control
- Safety housing with paneling, radar sensors and emergency stop.

optional

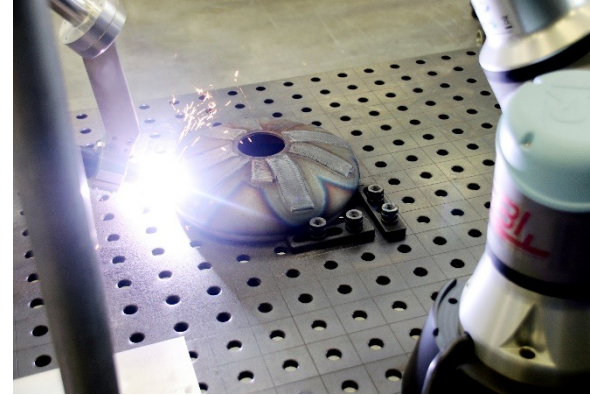
- Under-table fume extraction ex-protected
- Wire feed and welding torch for all other plasma welding processes
- Clamping systems for the welding table



Before welding



Welding



Programming



Final result

