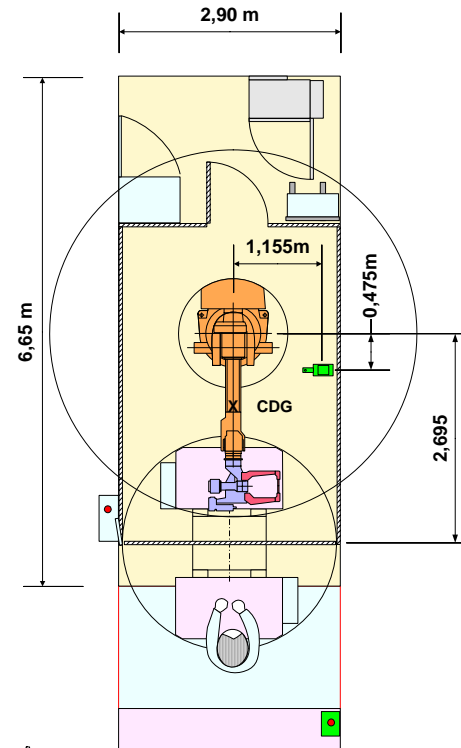


Production cell with 1 ABB robot IRB 6600 and geometrical tooling on a turntable.

DESCRIPTION OF BASIC FlexiCell Solo 1R2C

- ❖ 1 platform with fluid supply
- ❖ 1 electrical cabinet with API
- ❖ 1 supply panel
- ❖ 1 IRB 6600 robot
- ❖ 1 man/machine interface with operator panel
- ❖ 1 robot controller
- ❖ 1 spot welding gun
- ❖ 1 tip dresser
- ❖ 2 geometrical tools
- ❖ 1 turntable
- ❖ safety device for operation in front of the turn table
- ❖ safety fence



TECHNICAL DATA FlexiCell Solo 1R2C

Tooling Dimension: Diameter < 1400 mm

Production capacity: 1,000 spots/h

Weight: 11 tons

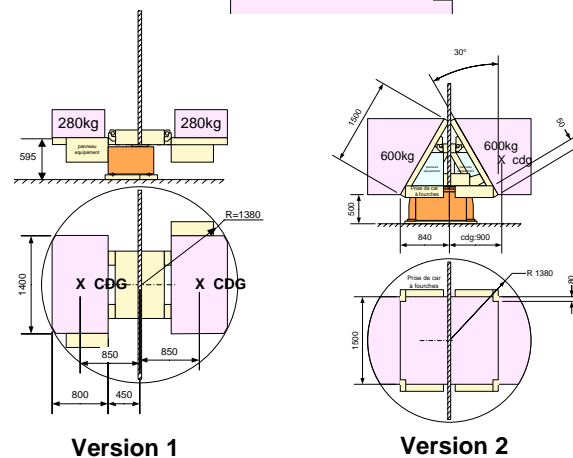
Types of produced part: 2 / batch

TYPES OF TOOLING POSITIONING

For the two versions, ABB proposes a quick tooling change

Version 1: Horizontal tooling

Version 2: Tooling with 30% angle



PRODUCTION CYCLE DESCRIPTION

The operator unloads and loads on one tooling while the robot welds on the second tooling and vice versa, at the end of the cycle. After operator's validation the turntable makes a 180° rotation for a new cycle. It can produce, either 2 identical parts or 2 different parts of type A, and type B.

The operator's safety is ensured by a laser radar or through other safety devices.

