

Siif FLEX 120

IRON - CASTING HANDLED

FINISHING ROBOTIC CELL

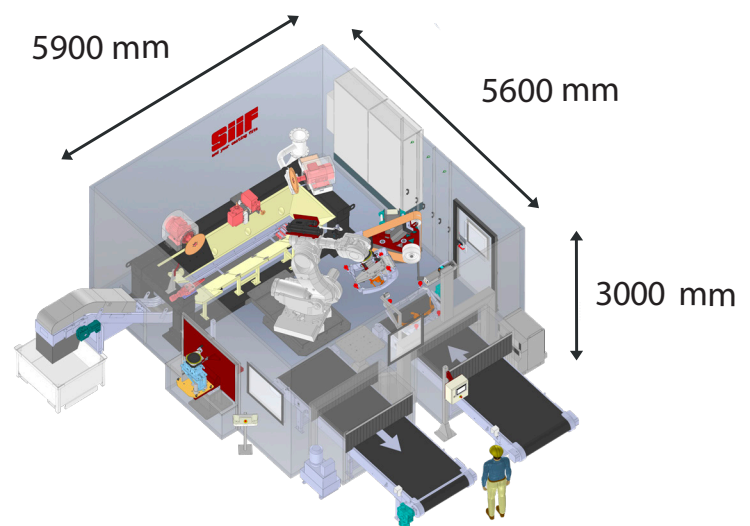
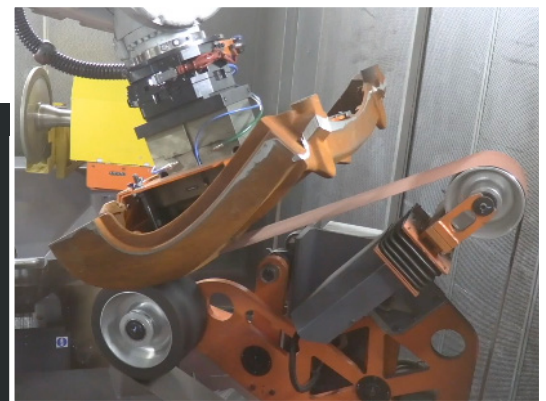
Max. casting dimensions 1023 mm x 408 mm x 245 mm
Max. casting weight 120 kg

- 1 ABB IRB 7600-400 kg Robot
- 1 Pneumatic gripper
- 1 Soundproof cabin 5900 mm x 5600 mm x 3000 mm
- 1 Electrical cabinet with operator interface, SIEMENS PLC and safety system
- 1 Two-position turntable (180°) for gripper change

1 Tool rack with :

- 1 Grinding spindle 22 kW - 3000 rpm
- 1 Diamond coated grinding wheel Ø 500 mm
- 1 Cutting spindle 22 kW - 3000 rpm
- 1 Diamond coated cutting disc Ø 490 mm
- 2 Finishing spindles 10 kW - 12000 rpm
- 1 Hydraulic wedge (stroke : 18 mm)
- 1 Finishing sand grinding belt 15 kW - 1500 rpm - width 200
- 1 Gooseneck scrap conveyoyr

2 Belt conveyors (loading + unloading)

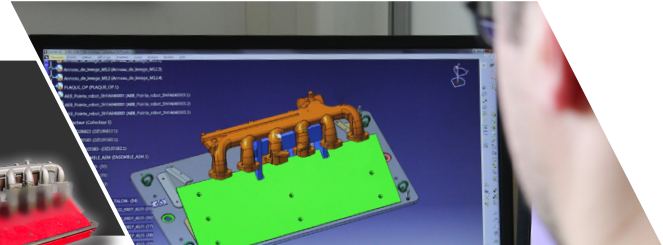


CASTING INTEGRATION

DISCOVER OUR TURNKEY SOLUTION

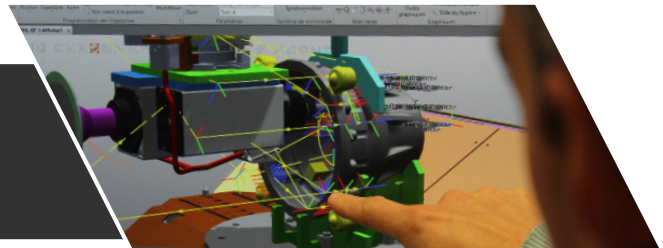
STEP 1

Gripper jaws and casting integration studies, engineering and production from your raw casting & 3D model



STEP 2

Offline finishing trajectory on Robotstudio (90% of the final trajectory)



STEP 3

OPTION

Trajectory commissioning at the customer's premises by a SiiF mechanic / robotic engineer (10% of the final trajectory)

