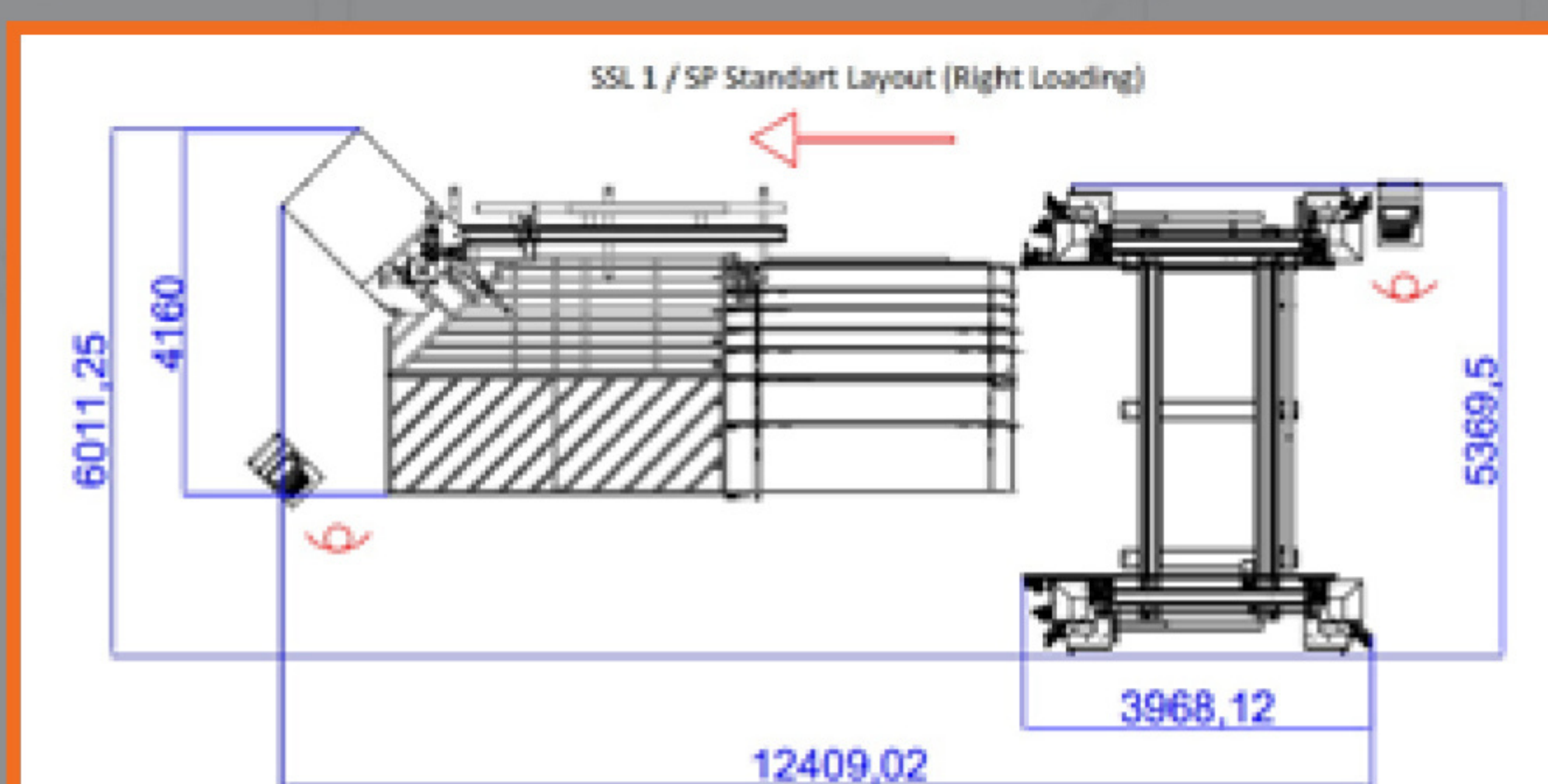


schtec Welding and Cleaning Automation Lines



SSL 1 - SSL 1/SP

Four Head Welding and CNC Corner Cleaning Automation Line

- An integrated system which consists of a WM 740 four point welding machine, a CS 810 cooling and buffer station, a TS 820 Robotics design turning station and a CM 620 CNC Corner Cleaner
- All process is controlled by industrial PC systems from welding to cooling, to turning and finally to cleaning.
- Technical specifications of WM 740 and CM 620 same as on pages 50 (WM 740) and 57 (CM 620)

Optional

- SSL 1 / SP (WM 750: Servo Motors, Parallel Joint System, Size correction system controlled by torque control mode on servo motors)

TS 820

Turning Station with Robotic Arm

- High speed and high accuracy turning operation via a robotic system with strong and fast mechanical turning arms
- Stable turning process with highly durable turning arms
- Turning speed calculation is done automatically for each frame's geometric shape, reinforcement steel weight and all other factors included
- All machine axis are moved by hardened steel rack and pinion gear system which provides accuracy and durability
- Turning robot spends the minimum energy and the least amount of time by synronochizing its actions with the CNC machine's fence system.
- Its compact design allows it to occupy the smallest working area possible, which is 12 m² less than its competitors
- Turning time is 1 second for small frames and between 1,5 – 4 seconds for all other sizes



Technical Specifications

Voltage	: 400 V AC, 3 Ph, 50/60 Hz
Power Consumption	: 3 kW, 7,5 A
Min. Outer Frame Dimension	: 450 x 450 mm
Max. Outer Frame Dimension	: 2.300 x 2.300 mm
Max. Profile Height	: 160 mm
Min. Profile Height	: 35 mm
Max. Profile Width	: 130 mm
Machine Weight	: 850 kg

CS 810

Cooling and Buffer Station

- Works between a corner cleaner and a welding machine
- Provides cooling time for the profiles coming from the welding machine prior to sending them the corner cleaning machine
- Cooling time is set through the welding machine's control panel
- Helps increase the production capacity by storing the profiles coming from the welder before sending them to the corner cleaner

Technical Specifications

Power Supply	: 400 V, 3ph, 50-60 Hz
Power consumption	: 1,5kW, 3 A
Air Pressure	: 6-8 bar
Machine Height	: 1.050 mm
Machine Length	: 3.350 mm
Machine Width	: 2.740 mm
Machine Weight	: 315 kg

