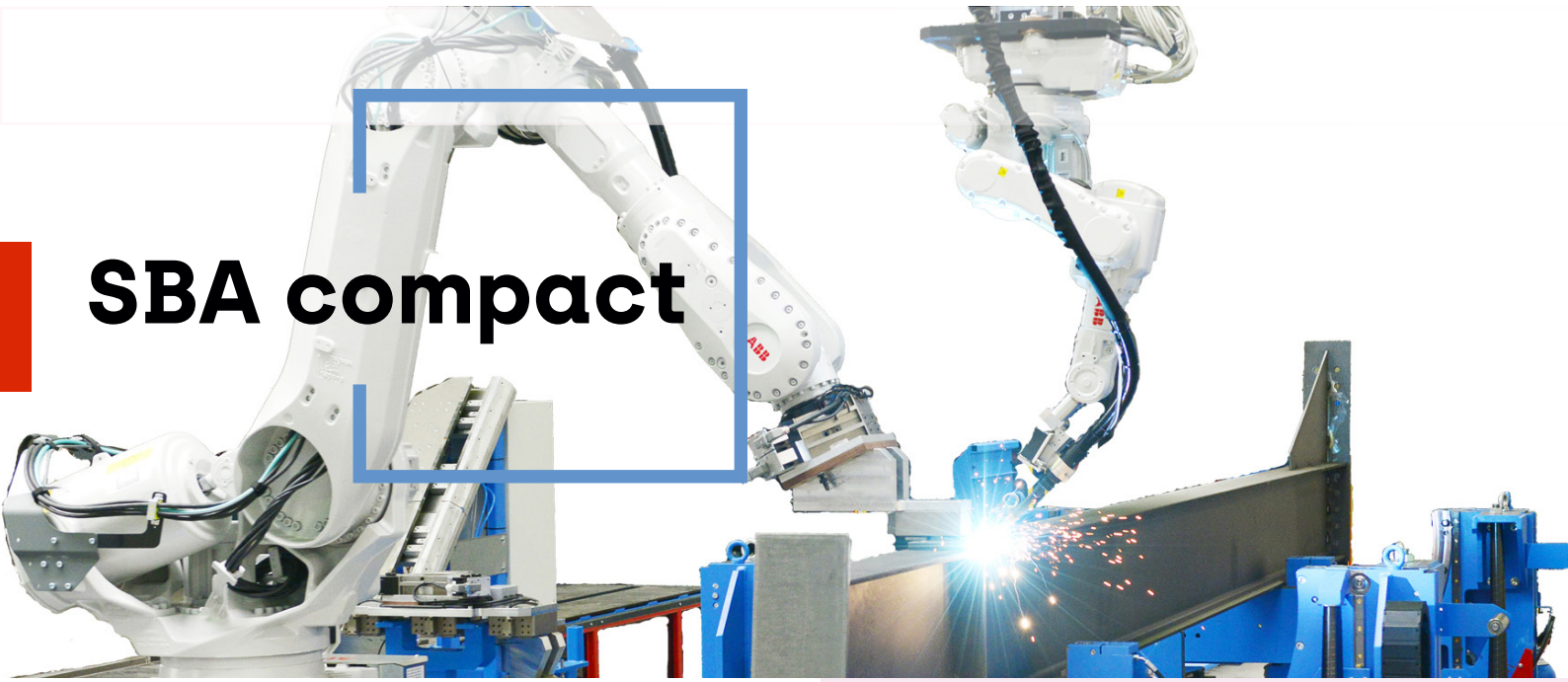
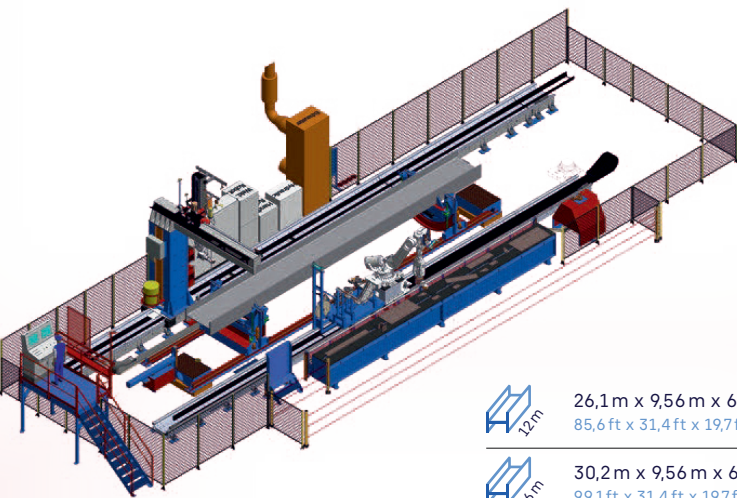




SBA compact



SBA compact design consists of 1 robot for assemble, tack weld and finish weld. This system is best utilized for "assembling only" working mode. This steel beam assembly robot welding machine can achieve up to 15.000tons/year to tack and assemble cleats to beams. If welding is required, the SBA compact design achieves up to 8.000 tons / year of fully assembled and welded structural steel beams. Loading and unloading of beams is done by crane. The space requirement is limited to only 26m in length.



-  26,1m x 9,56m x 6,0m
85,6ft x 31,4ft x 19,7ft
-  30,2m x 9,56m x 6,0m
99,1ft x 31,4ft x 19,7ft
- option**  32,2m x 9,56m x 6,0m
105,6ft x 31,4ft x 19,7ft
-  x 11,0m x 6,6m
x 36,1ft x 21,7ft

Basic



hot rolled H-beams




welded H-beams



hollow sections



ADD inside beam



ADD outside beam



ADD endplates




ADD cleats



ADD hollow sections



ADD+WELD part2part




WELD single pass

Option



SIN-beams




ADD frame corner



ADD angle




ADD prewelded T-parts




WELD multi pass

WELD 2x robot system = doublespeed



heating function



plasma cut function

Choose the options and build your own!

REQUEST THE PRICE AND DELIVERY DATE

**THE „ASSEMBLER“, 15.000T/YEAR,
1 WELDING ROBOT, BEAM
LOADING BY CRANE**

Machine composition

Auto INLET system (length-, cross conveyor)	optional
Table for ADD parts (stationary)	✓
Beam turning tables (turn-over system)	✓
Handlingsrobot IRB6640	✓
Magnetgripper Type 1, 2, 3	✓
Auto turning station for ADD parts	✓
Pre-heating system	optional
Welding Robot system 1	✓
Welding Robot system 1	optional
Application for angle profiles as ADD part	optional
Plasma cutting application	optional
Auto OUTLET system	optional
Camera system for remote support	optional
Safety fences and devices	✓

Included Services

Packing and loading of equipment	✓
Installation at customer sites	✓
Start-up and Tests at customer sites	✓
Operators training	✓

Included functions and ability of equipment

Auto inlet of beam into the line	optional
Auto scan of ADD parts	✓
Auto turning of ADD parts if mispositioned	✓
Auto assembly and tack welding	✓
Auto part2part assembly and welding	✓
Auto gap detection and compensation	✓
Auto beam check (for correct assembly)	✓
Auto pos. detection for welding seams	✓
Auto weld-out (single layer)	✓
Auto weld-out (multi layer)	optional
Auto pre-heating (for multi layer)	optional
Auto plasma cuts at the main profile	optional
Auto outlet of finished beam from the line	optional

Basic data

Min. beam sizes	160 x 3.000 mm
Max. beam sizes	1.100 x 12.000 mm
Max. beam width up to 1.500 mm	optional
Max. beam length up to 16.000 mm	optional
Max. beam length up to 18.000 mm	optional
Max. beam weight	6 tons
Annual production capacity	up to 15.000t/year
Line dimensions (12m version)	26.100x9.560x6.000
Line dimensions (16m version)	30.200x9.560x6.000
Line dimensions (18m version)	32.200x9.560x6.000