



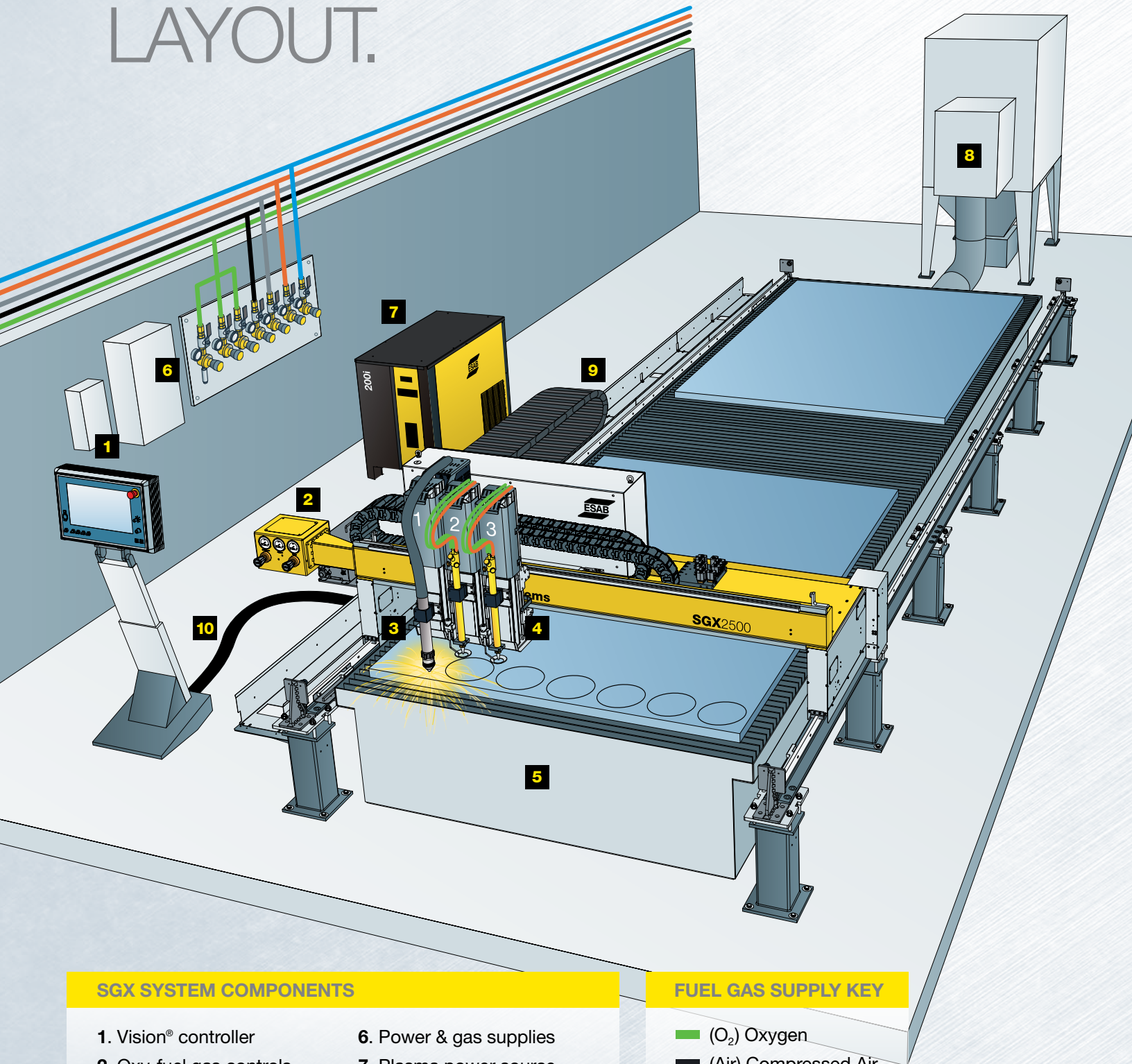
DREAM MACHINE.



SGX BY ESAB

A COMPACT, RUGGED, AND EASY-TO-USE AUTOMATED CUTTING MACHINE THAT'S HEAVY ON FEATURES BUT LIGHT ON YOUR WALLET.

SGX SYSTEM LAYOUT.



SGX SYSTEM COMPONENTS

- | | |
|------------------------------|---------------------------------|
| 1. Vision® controller | 6. Power & gas supplies |
| 2. Oxy-fuel gas controls | 7. Plasma power source |
| 3. Plasma cutting station | 8. Dust collector |
| 4. Oxy-fuel cutting stations | 9. Rail axis cable chain & tray |
| 5. Cutting table | 10. CNC umbilical |

FUEL GAS SUPPLY KEY

- | | |
|---------------------------------------|----------------------------|
| ■ | (O ₂) Oxygen |
| ■ | (Air) Compressed Air |
| ■ | (N ₂) Nitrogen |
| ■ | (FG) Fuel Gas |
| ■ | (Ar) Argon |

SGX SPECIFICATIONS BY MODEL

SGX Model	2000		2500		3000	
	METRIC	STANDARD	METRIC	STANDARD	METRIC	STANDARD
Rail Gauge	2000 mm	78.7 in.	2500 mm	98.4 in.	3000 mm	118.1 in.
Machine Width*	2759 mm	109 in.	3259 mm	128 in.	3759 mm	148 in.
Max. Table Width	1626 mm	64 in.	2126 mm	84 in.	2626 mm	103 in.
Max. Station Travel with One Tool	1560 mm	61.4 in.	2060 mm	81.1 in.	2560 mm	100.8 in.
Max. Station Travel with Two Tools	1270 mm	50 in.	1770 mm	69.7 in.	2270 mm	89.4 in.
Max. Station Travel with Three Tools	1070 mm	42.1 in.	1570 mm	61.8 in.	2070 mm	81.5 in.

SGX SPECIFICATIONS ACROSS ALL MODELS

	METRIC	STANDARD
Min. Tool Spacing	200 mm	8 in.
Max. Machine Speed	25,000 mm/min	1000 ipm
Vertical Lifter Stroke	200 mm	8 in.
Vertical Lifter Speed	15 m/min	600 ipm
Cutting Surface Height	660 – 700 mm	26 – 27 in.
Machine Height (top of plasma station)	1667 mm	66 in.
Rail Height (top of rail)	591 – 621 mm	23.3 – 24.4 in.
Rail Lengths	3 – 16 m	9.8 – 52.5 ft.
Torch Travel Length	1.7 – 14.7 m	5.6 – 48.3 ft.
Recommended Plate Coverage	1.5 – 14 m	5 – 48 ft.
Parking Length on Rail (including travel limits)	1500 mm	60 in.
POWER		
Machine Supply Voltage	230/400/460/575 VAC, 50/60Hz, Single Phase	
Full Load Amperage	20 Amps	

*Machine width includes gas control and cable chain tray, but does not include the CNC which is pedestal-mounted.

SGX PROCESS SPECIFICATIONS ACROSS ALL MODELS

Available Process Tools	Plasma cutting, oxy-fuel cutting, plasma marking, air-scribe marking
Max. Tool Configurations	1 plasma torch/2 oxy-fuel torches 1 plasma torch/1 oxy-fuel torch/1 marker 0 plasma torches/2 oxy-fuel torches
PLASMA TECHNOLOGY	
Max. Number of Torches	1 plasma torch
Max. Cutting Thickness	50 mm (2 in.) depending on plasma power unit
OXY-FUEL TECHNOLOGY	
Number of Torches	1 or 2 oxy-fuel torches
Max. Cutting Thickness	100 mm (4 in.)
Fuel Gases	Acetylene, propane, natural gas, mixed fuel gases

Note: Specifications subject to change without notice. Products may vary from those pictured.