



Fiber Laser Cutting

- compact design
- high efficiency
- cost effective
- optimum finish quality



aviation



automotive



rail transport



fitness & furniture



health care

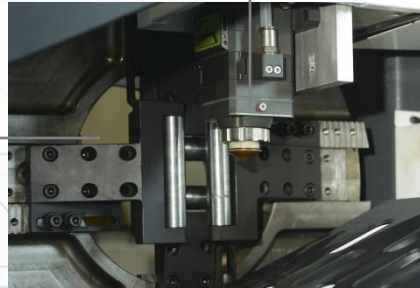
LS208-4 fiber laser cutting machine



- max capacity : OD 20~208 mm
- max loading length @ 6000 mm
- min material waste (rear end) @ 140 mm

fiber laser head

- automatic calibration
- plain motion by servo drive with speed @ 500 mm/sec
- upright motion by servo drive with speed @ 500 mm/sec
- capable of cutting circular, square, rectangular, elliptic and flat oval tube
- positioning repeatability ± 0.03 mm

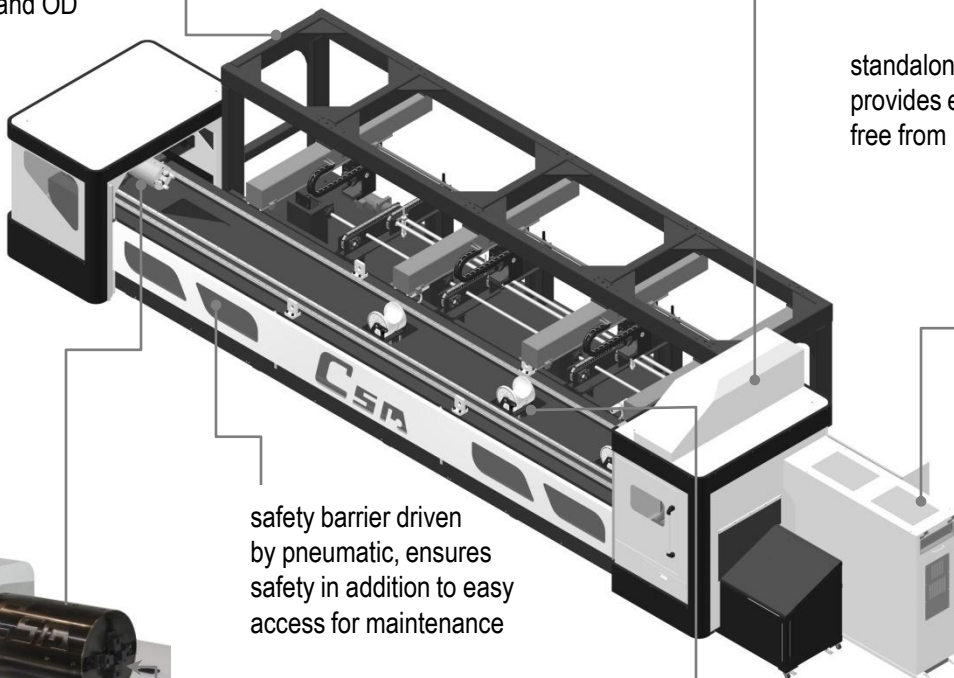


front chuck

- exclusive design with international patent
- rotation by servo drive
- clamping by pneumatic, each clamp with max force up to 1.4kN
- double-acting design, optimized for clamping either circular, or rectangular / square / elliptic / flat oval tube

independent tube loader facilitates job scheduling and applicable to tube with different shape and OD

standalone electric cabinet, provides easy access and free from EMI disruption



safety barrier driven by pneumatic, ensures safety in addition to easy access for maintenance

customized tube support rollers adapt to tube with variable shape and OD

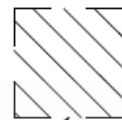
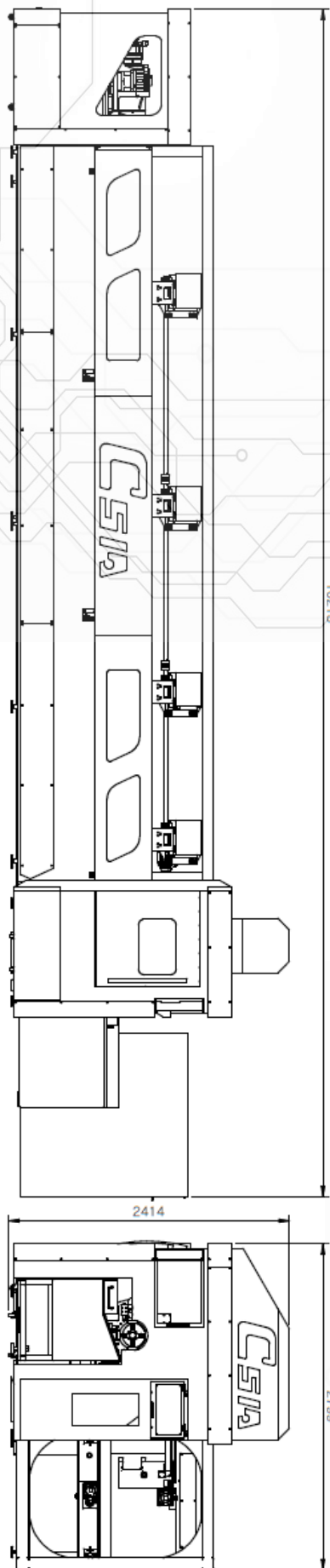
rear chuck

- exclusive design with international patent
- rotation by servo drive
- clamping by pneumatic, each clamp with max force up to 2kN
- double-acting design, optimized for clamping either circular, or rectangular / square / elliptic / flat oval tube

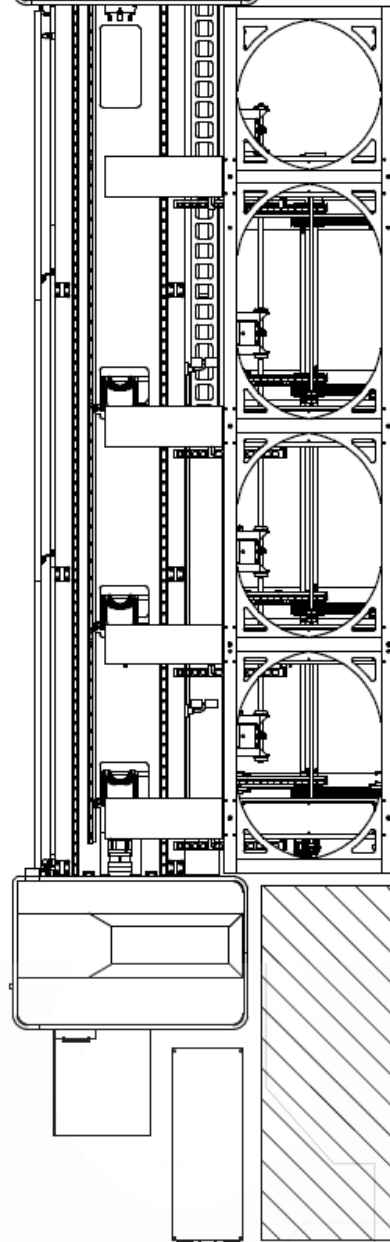


- feeding by servo drive with speed @ 834 mm/sec and max working distance @ 6600 mm

LS208-4



controller & user



area reserved for gas cylinders · vacuum cleaner & industrial chiller

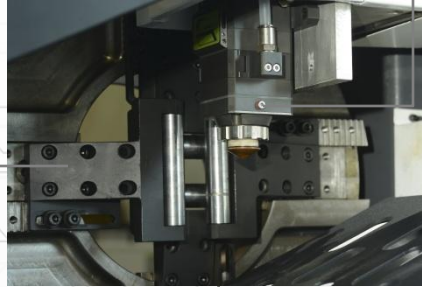
LS168-4 fiber laser cutting machine



- max capacity : OD 20~168 mm
- max loading length @ 6000 mm
- min material waste (rear end) @ 140 mm

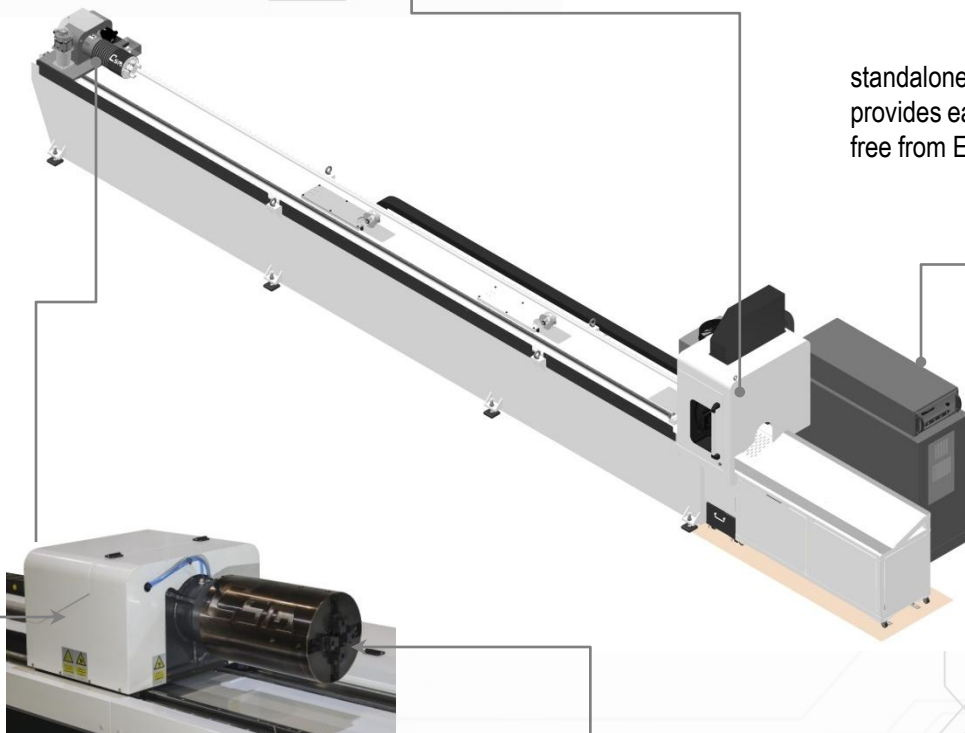
front chuck

- rotation by servo drive, with max speed up to 360° /sec
- clamping by mechanical



fiber laser head

- automatic calibration
- plain motion by servo drive with speed @ 500 mm/sec
- upright motion by servo drive with speed @ 500 mm/sec
- capable of cutting circular, square, rectangular, elliptic and flat oval tube
- positioning repeatability ± 0.03 mm



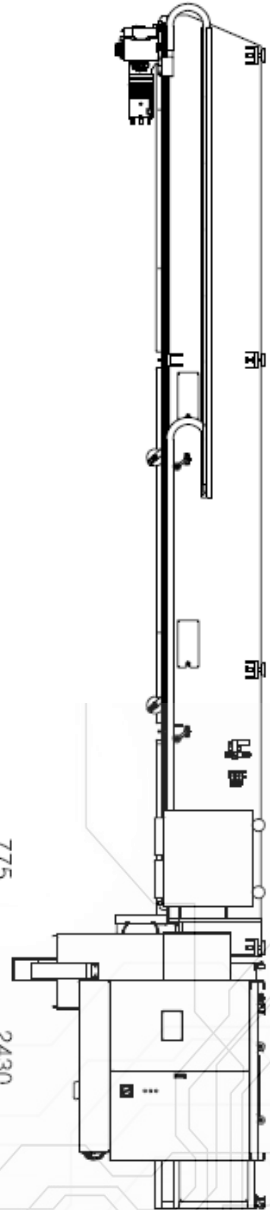
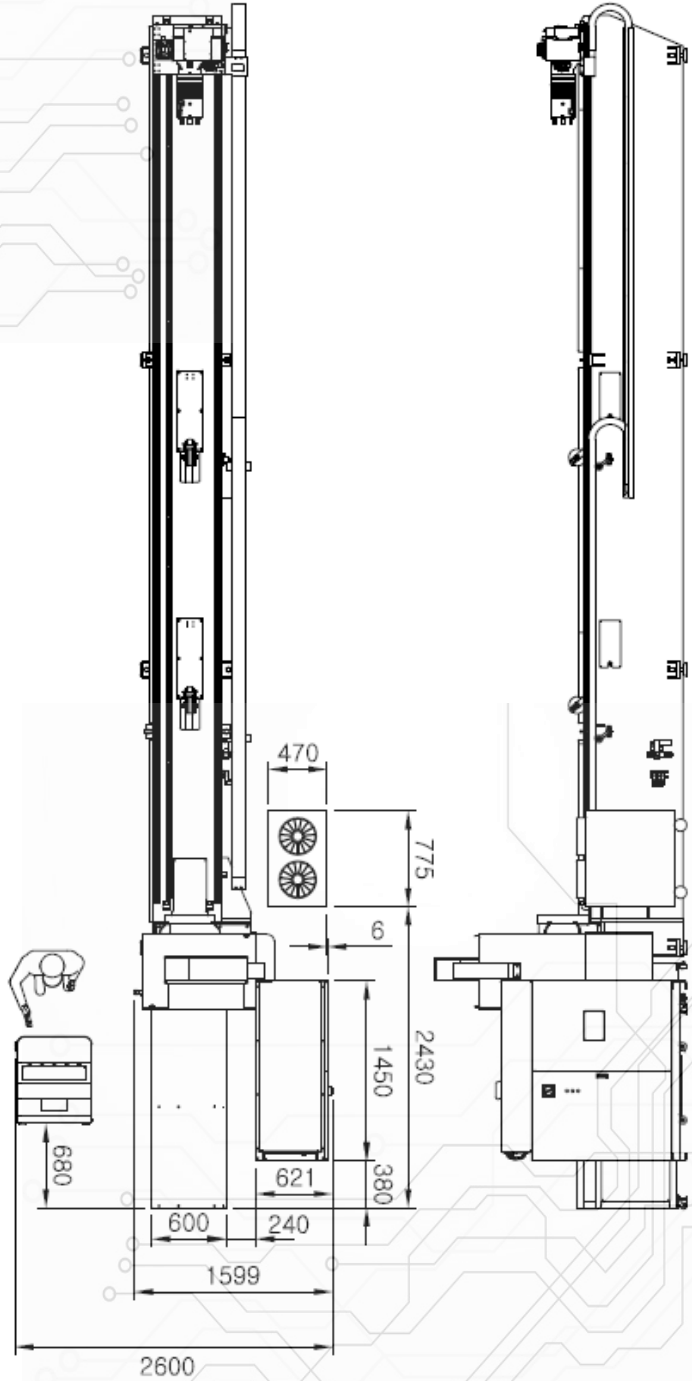
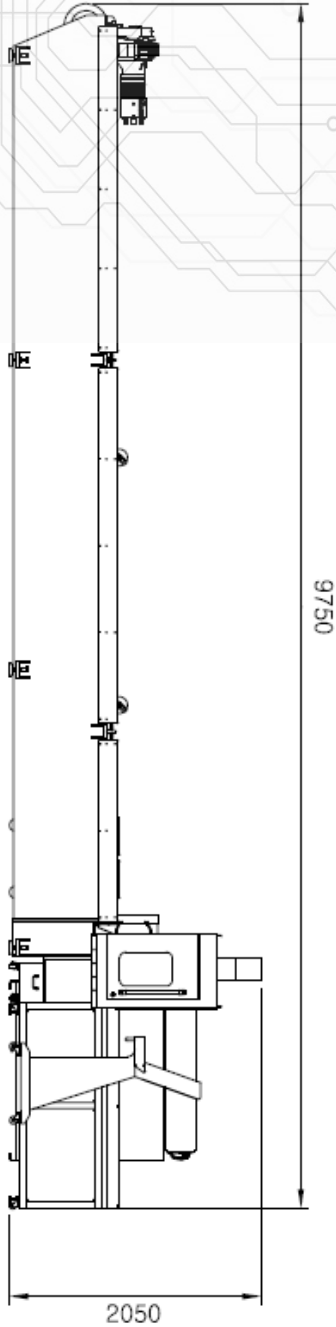
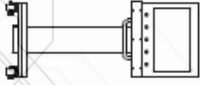
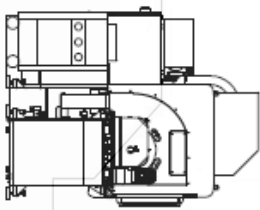
standalone electric cabinet, provides easy access and free from EMI disruption

- feeding by servo drive with speed @ 777 mm/sec and max working distance @ 6600 mm

rear chuck

- exclusive design with international patent
- rotation by servo drive
- clamping by pneumatic, each clamp with max force up to 1.5kN
- double-acting design, optimized for clamping either circular, or rectangular / square / elliptic / flat oval tube

LS168-4



specification	unit	LS208-4	LS168-4
max raw tube loading length	mm	6000	6000
max material waste length (rear end)	mm	140	140
X-axis working distance / laser head plain motion	mm	220	200
X-axis speed	mm/sec	500	500
Y-axis working distance / carriage	mm	6600	6600
Y-axis speed	mm/sec	834	777
Z-axis working distance / laser head upright motion	mm	150	110
Z-axis speed	mm/sec	500	500
B & B1-axis speed	degree/sec	375	360
max cutting capacity / OD	mm	20~200	20~168
positioning repeatability	mm	+/-0.03	+/-0.03
machine dimension (length x width x height)	mm	10500 x 1800 x 2400	10000 x 1700 x 2100
Laser generator		fiber	fiber
max laser power	(optional - I)	1000 w 1500 w 2000 w 3000 w	1000 w 1500 w 2000 w
Laser source supplier	(optional - II)	Raycus (China) IPG (USA)	Raycus (China) IPG (USA)
Laser head supplier	(optional - III)	Raytools (Switzerland) Precitec (Germany)	Raytools (Switzerland) Precitec (Germany)
control system	(optional - IV)	CypCut (China) PA8000 (Germany)	CypCut (China) PA8000 (Germany)

industrial chiller (optional - V)



control system



* general power altered in accordance with optional I、II、V

* vacuum cleaner on user's own