



**UMPIRE
TECHNOLOGIES**

Technology, Dedication & Service

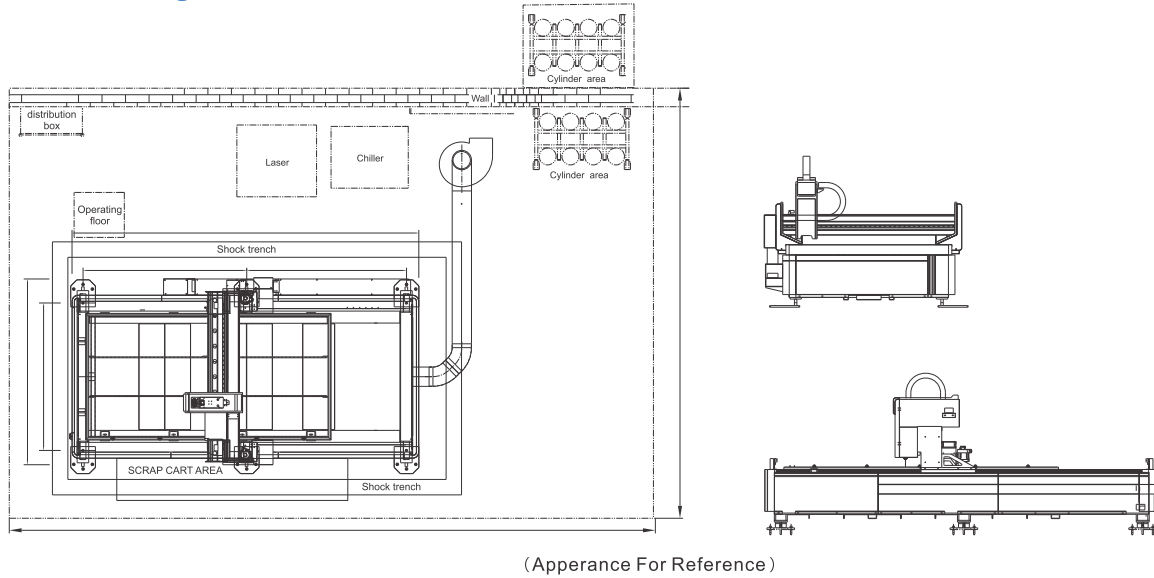
LASER CUTTING MACHINE FM SERIES



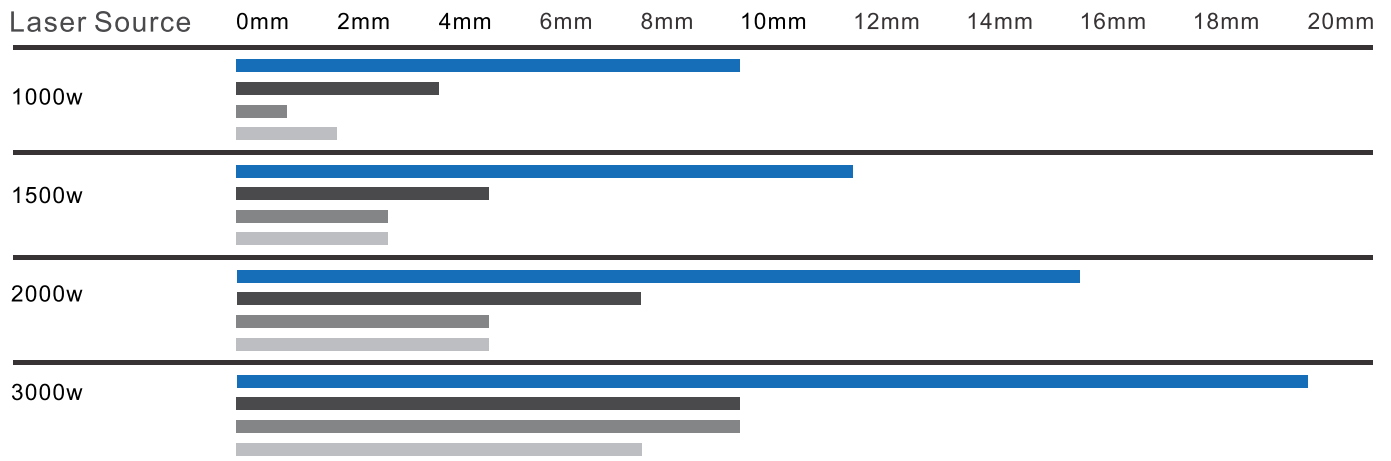
Technical Specification

Machine Model	FM 3015	FM 4515	FM 6015
Cutting Area (L×W)	3000mm X 1500mm	4500mm X 1500mm	6000mm X 1500mm
Laser Source	Raycus/ MAX/ IPG	Raycus/ MAX/ IPG	Raycus/ MAX/ IPG
Laser Type & Power	Fiber & 1000/1500/2000/3000	Fiber & 1000/1500/2000/3000	Fiber & 1000/1500/2000/3000
Laser Wavelength	1070nm ±10nm	1070nm ±10nm	1070nm ±10nm
CNC System	CYPCUT	CYPCUT	CYPCUT
Servo Motor	FUJI(JAPAN)	FUJI(JAPAN)	FUJI(JAPAN)
Laser Cutting Head	Raytools	Raytools	Raytools
Display	19" Industry LCD	19" Industry LCD	19" Industry LCD
Max Moving Speed	100 m/min, Acceleration is 1G	100 m/min, Acceleration is 1G	100 m/min, Acceleration is 1G
Position Accuracy (X and Y axis)	±0.03mm	±0.03mm	±0.03mm
Reposition Accuracy (X and Y axis)	±0.02mm	±0.02mm	±0.02mm
Stroke	X-axis	1530mm	1530mm
	Y-axis	3050mm	4550mm
	Z-axis	100mm	100mm
Motion	X and Y axis	Rack & Pinion	Rack & Pinion
Structure	Z-axis	Ball Screw	Ball Screw
Power Supply Requirement	380V 50/60Hz 50A	380V 50/60Hz 50A	380V 50/60Hz 50A
Max Loading (KG)	700 KG	1300 KG	1900 KG
Machine Weight	≤3500 Kg	≤4800 Kg	≤6000 Kg

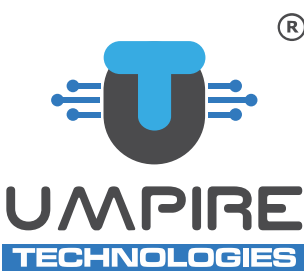
System Layout



Cutting Ability



Cutting Samples



- ★ 407, Moraiya Gam Road, B/h. Sarvoday Hotel, Moraiya, Ahmedabad. Gujarat-382213.
- ★ 2861/5, Opp. Hotel Le Roi, Chuna Mandi, Paharganj, New Delhi - 110055
- ★ Umpire Technologies, ATI Road, Near Ittan-wala Chowk, Janta Nagar, Ludhiana - 141003