

Laser Training schedule [LCGAJ Series]

Date/ Day	Time(H)	Topic	Contents	Incharge
1st Day	9:00 10:45	Laser Safety rules	Measures for preventing laser beam hazards	
			Handling of optical parts	
			Heath and Machine Safety	
			Inhale of Cutting gases, Medical devices	
			failure, High voltage, Eye examination	
		Break Time (15 min)		
	11:00 11:15	Machine Specification (LCG3015AJ)	Cutting Speed, Axis Speed, Options etc.	
	11:00 12:00	Laser Basics	Brief info. on generation of Laser	
			Basics of laser metal cutting process	
	12:00 13:00	Machine and Accessories	Machine explanation,	
			Explanation & Purpose of Accessories,	
			Chiller, Dust collector, Purge unit	
			and Air supply unit	
		Lunch Time		
	14:00 15:30	Machine Ready	Machine start ON	
			Sample cutting demonstration(good & Not Good) and Accuracy check	
			Lens Cleaning, Nozzle centering,	
		Break Time (15 min)		
	15:45 16:50		Nozzle cleaning and Inspection	
			HS sensor calibration, Focus adjustment	
			Machine Shutdown Procedure	
	17:00	Q & A		
2nd Day	9:00 10:00	Review	Repeat Make machine Ready procedure	
	10:00 10:45	Control Panel	Explanation of the Control Panel buttons	
			key switches,	
		Break Time (15 min)		
	11:00 13:00	Types of Nozzles	Fiber Eco cut nozzles, clean cut and Double Fiber nozzle	
		Types of lenses	150mm , 190mm lens and 190AX lens and their use	
		Cut condition files	Cutting condition files Explanation for	
			Oxygen, Nitrogen and Air cutting etc.	
		Various cuttings	Eco cut, Clean cut, Air Cut , Oil shot	
		Sample Cutting	Sample cutting Trial	
	13:00 14:00	Lunch Time		
	14:00 15:30	AMNC-F Screen	Explanation of Utility screen, Programme	
			Schedule, Pre-edit, Switch panel	
			Current Position Panel,	
		Break Time (15 min)		
	15:45 16:50	Sample Cutting	Cutting Trials on various material	
			Machine Shutdown Procedure	
	17:00	Q & A		
3rd Day	9:00 9:30	Review	Repeat Make machine Ready procedure	
	9:30 10:45	M and G codes	M codes and G codes explanation and Multiparts Processing	
		Break Time (15 min)		
	11:00 13:00	Cutting Trials	Various metal cutting trials	
	13:00 14:00	Lunch Time		
	14:00 14:30	Maintenance	Periodic Maintenance	
	14:30 15:30	Cutting Trials	Cutting Trials Practice by changing the	
			parameter like Focus, Duty etc.	
			Machine Shutdown Procedure	
		Break Time (15 min)		
	15:45 17:00	Q & A and fill HR feedback form and Cutting Practice		
		Certificate Distribution		

