Fiber Laser Training - ENSIS/VENTIS/REGIUS (4ie AMNC)				
Date/Day	Time(H)	Topic	Contents	
	9:00 ~ 9:15		Introduction and Facility orientation	
	3.00 3.13	Machine	Machine explanation,	
1st Day	9:15 ~10:45	- Tracelline	Explanation & Purpose of Accessories,	
		Accessories	Chiller, Dust collector, Purge unit , EZ Unit.	
			Air supply unit Break Time (15 min)	
		T		
	11.00 ~12:15	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	
		Machine Specification	Cutting Speed, Axis Speed, Retract of all axis, Options etc.	
		Laser Basics	Brief info. on generation of Laser and Metal cutting Process	
	12:15 ~13:00	Material Explanation	Material types of Mild steel, Stainless steel, Aluminum, Copper, Brass and Titanium.	
	12:15 ~15:00	Assist Gas types and effects	Types of assist gas and its effect on cutting quality.	
			Lunch Time	
	14:00 ~ 15:00	Machine Ready & Adjustment	Machine start ON and 4ie Control panel buttons explanation	
			Lens and protection glass cleaning, nozzle inspection and Centering	
	15:00 ~ 15:30	Samuela Cuttina	Sample cutting of Oxygen, Nitrogen and Air	
	15.00 ~ 15.30	Sample Cutting	Break Time (15 min)	
	45.45.46.00			
	15.45 ~ 16.30	Practice and Review		
	16.30 ~ 17:15		Sample Cutting and machine shutdown	
	17:15 ~		Q & A	
2nd Day	9.00-9.15	Review	Review on previous day training	
	9:00 ~ 10:00	Machine Ready	Repeat Make machine Ready procedure	
	9.00 ~ 10.00	Machine Ready	Lens Cleaning, Protection glass cleaning	
	10:00 ~ 10:45	Types of lenses	190 lens , I-cas, I-optics	
		Types of Nozzles	Eco cut nozzles, clean cut and WACS nozzle	
		W-11-1	Break Time (15 min)	
	11:00 ~ 12 :15	4ie Control Panel	AMNC 4ie controller explanation, Utility Screen explanation, nozzle change , Focus Adjustment, HS sensing,	
	12:15 ~ 13:00		Dimension correction by Adjust offset	
	13:00 ~ 14:00	Dimension correction	Lunch Time	
	14:00 ~ 14:30	LST operation	Sheet Loading, Exchange of shuttle table in Auto and manual mode	
	14.30 ~ 15.00	Cutting types	Clean cut, Oxygen cut and Air cut.	
	15 : 00 ~ 15:30	Cutting Practice	Cutting Practice	
			Break Time (15 min)	
	15.45 ~ 16.30	Sample Cutting	Sample cutting demonstration and Accuracy check	
	16.30 ~ 17:15		Cutting Practice of various material with program modification. Part Base Point, Home Base Point, Multiple Part,etc	
	~17:15		Q & A	
	9.00-9.15	Review	Review on previous day training	
3rd Day			Repeat Make machine Ready procedure	
	9:00 ~ 9:30	Machine Ready	Lens Cleaning, nozzle centering practise	
			central deciments and the centering process.	
	9: 30 ~ 11:00	Cut condition files	Cutting condition files explanation for Oxygen, Nitrogen and Air cutting etc.	
	 	1	Prook Time (15 min)	
	44 45 40 55	Break Time (15 min) For cut Clon cut WASS cut Oil shot and Elizh Cut		
	11:15~13:00	Various cuttings	Eco cut, Clean cut, WACS cut, Oil shot and Flash Cut Lunch Time	
	13:00 ~ 14:00			
		AMNC-3i Control Panel	Programme Schedule	
	14:00 ~ 15:30		Switch panel	
			Current Position Panel	
			Nozzle loading and Registration	
			nozzle changer unit (Option)	
	Break Time (15 min)			
	15:45 ~ 16:50	Cutting Parameter	Cutting parameter explanation and its adjustment	
			Cutting trials Practice by changing Focus, Gas pressure and Speed	
	~17:15	1	Q & A	
	9:00 ~ 9:30	Review	Repeat Make machine Ready procedure	
4th Day	9:30 ~ 10:45	AMNC-3i / 4i Menu Function	Resume, Reprocessheet and Retry	
			Break Time (15 min)	
	11:00~ 12:00	M and G codes	M codes and G codes explanation with cutting trails	
	12:00~ 13:00			
	13:00 ~ 14:00		Lunch Time	
		Machine Periodic maintenance. Periodic Maintenance		
	14:00 ~ 15:30	Machine Periodic maintenance.	r criodic Wallicellance	
	14:00 ~ 15:30	Machine Periodic maintenance.	Break Time (15 min)	
		Machine Periodic maintenance.		
	14:00 ~ 15:30 15:45 ~ 17:15	Machine Periodic maintenance.	Break Time (15 min)	