CNC Metal Sheet & Tube Laser Cutting Course

Venue: **NCRA, NUST College of E&ME**

Min No of participants per batch: **10**

Fee per participants: **PKR 25,000 ***

***[5% discount for group of 5 from one organization, 10% discount for group of 10 from one organization]**

Days	Module	Topics Covered
Day 1	Principle of laser Cutting Processing	• Laser as a Cutting Tool • Laser (Nitrogen/Air) Melting Cutting • Laser Oxygen Cutting
	Laser Cutting Factors	• Laser Power • Focal Position • Nozzle height and diameter • Auxiliary Gas (purity, flow and pressure) • Cutting Speed • Texture of Cutting Plate • Surface Quality of Cutting Plate
Day 2	Vector File for cutting	• Engineered Drawing using SolidWorks • Art work Drawing using Aspire
	Set Up and Use of Machine	• Starting up Machine • Setup of Laser Cutting • Setup for File to Cut • Cutting on Different Files
	safety guidelines	• Health Safety • control measures for hazardous laser
Day 3	Laser Cutting Software Function	• View Transformation • Graphic Operation • Layer Setting • Technics • Tube Cutting
Day 4	Oxygen Laser Cutting	• Mild Steel and Carbon Steel from 1mm to 10mm • Optimizing Drawing for better cutting • Cutting Parameter finding from tests and its behaviors

Day 5	Nitrogen Laser Cutting	• Stainless Steel from 1mm to 5mm • Aluminum and Brass • Optimizing Drawing for better cutting • Cutting Parameter finding from tests and its behaviors

Point of Contact:

Mr. Saimullah (BDM) saimullah@ncra.org.pk 0345-9122273