

## Punching Training Schedule AE&EM- AMNC-F Controller

Date/Day	Time(H)	Topic	Contents
1st Day	09:00 ~ 09:15	Introduction	Introduction and Facility orientation
	09:15 ~ 10:00	Safety rules	Operator and machine safety
	10:00 ~ 10:45	Machine Overview	Machine Specification and Axis and speed explanation
	<b>Break Time (15 min)</b>		
	11:00 ~ 13:00	Punching Know How	Punching Process know how, Material types, tonnage calculation, tools introduction, turret information, Die Clearance its Effect on quality, minimum diameter etc.
	<b>Lunch Time</b>		
	14:00 ~ 15:30	Machine	Machine Power ON and making ready procedure and Shut down procedure and control panel keys explanation
	<b>Break Time (15 min)</b>		
2nd Day	15:45 ~ 17:00	Sample Punching	Call Program by using Bar code reader, SDD, NC , Search/list Option Tools loading for sample Punching
	17:00 ~ 17:15	<b>Q &amp; A</b>	
	09:00 ~ 09:15	Review	Review of previous day training
	09:15 ~ 10:30	Tooling NEX-III	NEX Tool disassembly & assembly practice and Height adjustment
	<b>Break Time (15 min)</b>		
	10:45 ~ 12:45	Tooling Alpha Guide	ALFA guide, C, D and E station tools assembly and disassembly and practice
	12:45 ~ 13:00	Tool maintenance	Burr height checking, Punch & Die Grinding amount and shim utilization
	<b>Lunch Time</b>		
14:00 ~ 15:30	Tool Loading & Unloading practice	Practice of Loading and Unloading of the tools and use and practice of tool balancer and Height adjustment Punch and Die grinding value and use of shim for Die	
<b>Break Time (15 min)</b>			
15:45 ~ 17:00	Forming Tool Trial	Forming tool explanation and bottom position setting for any special tool by taking trial.	
17:00 ~ 17:15	<b>Q &amp; A</b>		
3rd Day	09:00 ~ 09:15	Review	Review of previous day training
	09:15 ~ 10:45	Practice M Code	Practice of M code setting for any one similar to customer tool, Practice of M code setting for any one forming tool
	<b>Break Time (15 min)</b>		
	11:00 ~ 12:00	AMNC-F	AMNC Panel explanation, Switch Panel Explanation, process quantity etc.
	12:00 ~ 13:00	AMNC-F	Program and Schedule creation and Explanation
	<b>Lunch Time</b>		
	14:00 ~ 15:30	AMNC-F	AMNC Switch Panel Explanation
	<b>Break Time (15 min)</b>		
15:45 ~ 17:00	Practice	Program modification and Resume option explanation	
17:00 ~ 17:15	<b>Q &amp; A</b>		
4th Day	09:00 ~ 09:15	Review	Review of previous day training
	09:15 ~ 10:45	M and G codes	M codes and G codes explanation, Sample Punching by using set M code by customer.
	<b>Break Time (15 min)</b>		
	11:00 ~ 12:00		Reposition Program sample punching
	12:00 ~ 13:00	AMNC-F	Pre edit and Result and maintenance screen explanation
	<b>Lunch Time</b>		
	14:00 ~ 15:30	Periodic Maintenance	Machine Lubrication, Turret cleaning, grease replacement, Cleaning and Lubrication of Auto Index Station, Tool inspection, Cleaning the tool holder TOCLW
	<b>Break Time (15 min)</b>		
15:45 ~ 17:15	<b>Review, Laser Test and training feedback</b> <b>Test Paper Checking and Certificate Distribution</b>		