

CNC Training Class Outline

- 1- 8:30 – 9:00 Introduction to ZPS and ZPS America
 - a. ZPS Products
- 2- 9:00 – 9:30 Tour of ZPS America
- 3- 9:30 – 9:45 Break
- 4- 9:45 – 12:00 Machine Basic features Overview:
 - a. Machine Models
 - b. Kinetic Diagram
 - c. Spindle Drum
 - d. End working Slides
 - e. Cross working slides
 - f. Compound Slides
- 5- 12:00 – 12:30 Lunch
- 6- 12:30 – 2:00 On Shop Floor:
 - a. Machine
 - i. Machine Overview
 - ii. Bar Loader Overview
 - iii. Accessories Overview
- 7- 2:00 – 2:15 – Break
- 8- 2:15 – 5:00 On Shop Floor:
 - i. Oil Locations
 - ii. Drive Belt Locations
 - iii. Electrical Cabinet Overview
 - iv. Tooling Holders
 - v. Common Maintenance Issues
 - vi. Operator Panel

Training Class outline

1. 8:30 – 9:30 Basic Machine Information:
 - a. How the machine works and explanation of its functionality
 - b. Location of places to fill oils
 - c. Location of flats for leveling machine
 - d. Location of pressure gages for air, hydraulics, and lubrication
 - e. How to turn the machine on
 - f. How to work the control panel
2. 9:30 – 10:00 Basic Machine Info:
 - a. Indexing Functions
 - b. Feeding ON/OFF
 - c. Changing pick-off collet and ejector
 - d. Basic Controls
 - e. Setting tools outside machine
3. Break 10:00 – 10:15
4. 10:15 – 10:45 Daily Maintenance:
 - a. Check lubrication, hydraulic, and cooling oil levels
 - b. Check hydraulic and lubrication oil pressure
 - c. Importance of keeping the machine clean
5. 10:45 – 11:15 Weekly Maintenance:
 - a. Check lubrication, hydraulic, and cooling oil levels
 - b. Check, and if necessary, clean the sedimentation tank and overflow tank
6. 11:15 – 12:00 Monthly Maintenance:
 - a. Check lubrication, hydraulic, and cooling oil levels
7. 12:00 – 12:30 Lunch
8. 12:30 – 2:00 Controls Overview in Classroom:
9. 2:00-2:15 – Break
10. 2:15-5:00 Machine Controls on Shop Floor:
 - a. How to move through the screens
 - b. Functions of the control buttons
 - c. Tooling Offsets/ Wear
 - d. Stations and counters
 - e. Programming Basics
 - f. Geometry
 - g. How to read the error code and correct errors.