



# TruBend Series 5000 Operator with TASC 6000



## COURSE DESCRIPTION

This training course is designed for TruBend Series 5000 machines equipped with TASC 6000 Control system. This course will provide new press brake operators with the knowledge and techniques necessary for successful press brake operation. The course includes comprehensive hands-on practice guided closely by the instructor. Upon completion of the course, operators will have the necessary skills for part programming, tooling selection, and proper bending techniques.

## PREREQUISITES

No prior press brake operation is necessary to benefit from this course. Individuals should have basic computer skills and the ability to read precision measuring devices. Prior experience reading blueprints is strongly recommended.

## COURSE DURATION

Approximately 4-1/2 days

## OBJECTIVES

- Implement key safety features and follow safety guidelines to establish a safe work environment.
- Start up and shut down machine correctly.
- Identify all buttons on the operator pedestal.
- Selecting the correct menu and soft keys.
- Correctly select and position the tooling for best results.
- Identify various backgauge configurations..
- Create programs in Manual Mode.
- Create a multi-bend NC Program.
- Create 2D Programs using BendGraph.
- Utilize the ACB angle sensor.
- Perform preventive maintenance.



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## **COURSE OUTLINE**

- Overview & Safety
  - Types of Bending
  - BendGuard
- Control and Axes
  - Operator Pedestal
  - TASC 6000 Control Panel
  - Switch Cabinet Control Elements
  - The Machine Axes
- Tooling
  - Punch
  - Die
  - Tool Technical Data
  - How to Select Proper Tooling
  - Flattening Dies
  - Changeover of I-axis Working Range
  - Loading Tools & Offset Tool Check Procedure
- Startup and Shutdown
  - Startup of the TASC 6000
- TASC 6000 Overview
  - TASC 6000 Menu Overview
  - Status Buttons
- Programming
  - Overview
  - Manual Operation Programming
  - NC Code Programming
  - BendGraph
- ACB Angle Sensor
  - What is ACB?
  - Electronic Module
  - Sensor Disk Combinations
  - Calibration of ACB
  - Description of Function
  - ACB Configuration
  - Programming a Learned Bend
  - Bending with 2 Sensors
  - Bending with 3 Sensors
  - ACB Applications and Limitations
- Maintenance
  - Overview
  - Tool Maintenance
  - Maintenance Schedules
  - Maintenance Checks for the Bending Aid (Optional Device)