Process Inspector ®

IN-PROCESS CONTROL AND MONITORING FOR PRESS AND RIVET MACHINES

The Process Inspector® is a powerful PLC with a built-in HMI Operator Panel, comprising a 5.7" color touch-screen display that meets the industry requirements for in-process quality monitoring of force and distance for presses and rivet machines.

This unique control is extremely easy to operate with the precise measurement and collection of force and distance data in each machine cycle, allowing up to 49 different recipes to be generated automatically with an easy to follow tutorial for simple data input. Typical time to generate a recipe is less than 5 minutes.

The Process Inspector offers simple calibration of strain gage, piezoelectric* and potentiometric sensors with easy input of high low distance and force criteria specific to your applications. There is no difficult tuning or complicated setup as with competitors' products.

The Process Inspectors PLC/Graphic HMI in-process quality monitoring system introduces an unbeatable price-performance ratio, enabling users to enjoy the advanced features of the operator touchscreen, in-process monitoring system and the PLC machine control all-in-one, while maintaining low budget, reduced setup time, minimum wiring and configuration.

Call: 502-509-5188
or visti us on-line www.processinspector.com

GENERAL SPECIFICATIONS AND HIGHLIGHTS

Model	Process Inspector V570 PLC/HMI All-in-One	Capacity	49 Recipes
PLC	24 Inputs, 23 Outputs Expandable	Development Time of Recipe	5 Minutes
Touch-panel	5.7" QVGA 256 Color display	Sensor Calibration	5 Minutes
Measurement Type	Force/Distance (Real-time threshold)	Simple Tutorial	5 Screens
Monitoring	Force/Distance/Time	Operation – (Any screen)	Quickly Determine Optimum Settings
Measuring Range	Configurable	Maintenance Screens	Preventive with alarms
Force Range	Configurable	Machine types	Presses and Riveters
Sensor Inputs	Voltage module and charge amplifier*	Data Collection	Last 10 cycles on display
Resolution	14 Bit	Export	RS232 or Ethernet
Voltage	0-10V, 0-20mA, 4-20mA	Read-out configuration	Pre and/or post-process height (DRO)

SIMPLE TO USE INTERFACE + ACCURACY AND PRECISION

SCREENS VIEWS

RUN SCREEN

• Easy to read force and distance data.
• Banner with status and alarms
• Current machine position
• Good, bad and total cycles

TOOL INFORMATION

• Included with every program
• Tooling and component checklist
• Processing and setup notes
• Operator accessible

RIVET SPECIFICATION

• Password protected
• Set point correlates to actual print values
• Steam line your cycle time using dwell and creep adjustments
• Step by step tutorial under the more info button

POWER HEAD SETUP

• Specific machine settings for each program
• Power head positioning / in or out of range, crash safety feature
• Machine operates on any setup screen to quickly determine the optimum settings

ACTUAL RIVET HEIGHT

• Teach the controller your rivet height
• The capability to run while in set up extremely simplifies the process.
• Store your cycle time to document your flow control settings.

DATA COLLECTION

• Last 10 machine cycles
• Data collection via RS232 or Ethernet
• Program and technical assistance via Ethernet.

PAGE SELECT

• Easy to navigate thru the system.
• Page by page instruction.
• Easy enough to set up Recipes in 5 minutes.
• Two levels of operation: Supervisor/Operator
• Prewired I/O for expanded machine functions

RIGHT LVDT CALIBRATE

• Simple Calibration just press Set Zero!
• Calibrate in seconds unlike the competitors.
• Machine can cycle from this screen allowing for easy visual conformation of set point.