

## OmniLink 5100 APC Press Control

Company Name	<input type="text"/>	Current Date	<input type="text"/>				
Address	<input type="text"/>		Surveyed By	<input type="text"/>			
City	<input type="text"/>	State	<input type="text"/>	Zip Code	<input type="text"/>	Phone Number	<input type="text"/>
Contact	<input type="text"/>				FAX Number	<input type="text"/>	
email	<input type="text"/>						

### Press Information

Property #	<input type="text"/>	Manufacturer	<input type="text"/>
Press Model	<input type="text"/>	Press Serial Number	<input type="text"/>
Frame Type	<input type="text"/>	Year of Manufacture	<input type="text"/>
Rated Tonnage	<input type="text"/>	Press Stroke Length (inches)	<input type="text"/>
Shut Height	<input type="text"/>		

This area is provided for specific details that will be helpful in producing the quote

### New Control Configuration

#### Type of Disconnect

Fused     Circuit Breaker

#### Disconnect Operator Type

Through the door     Flange

#### Starters

New     Reuse Existing

Incoming Line Voltage

#### Main Motor:

Motor Rated at

Amperage

Motor RPM

#### Speed is:

Fixed

Variable

Zero Speed Switch Required (will be added if Bar Mode is requested)

**Variable Speed Drives (this information must be provided for proper application)**

For the drive listed below the following consideration should be made on the quote  Provisions and space only  Link to mount drive in control at the time of construction

If Variable, the speed Varies from  to  SPM Drive Type

Drive Selection  Drive to be mounted

If Drive is not listed, provide Drive Make  Model

Unless otherwise indicated speed will be controlled via the 806 Operator Terminal

**Shut Height Adjustment**

Adjustment is:  Motor rated at  Amperage  RPM

**Lube System Information**

Main Lube is  Motor rated at  Amperage  RPM

Sensors check all that apply  Low Pressure  Low Level  High Pressure  Single Flow  Dual Flow  Cycle Switch

**Motors Other than Lube or Grease Pump Motors (Which Are Covered in Lube Section)**

Function  Motor rated at  Amperage  RPM

Link to Provide new starter  Are electrical drawings available and being provided?

Function  Motor rated at  Amperage  RPM

Link to Provide new starter  Are electrical drawings available and being provided?

Any size restrictions on enclosure  Enclosure Legs Required

Type Of New Enclosure  Indicate distance from floor to bottom of enclosure in inches

Main Control enclosure to Be Located Where?

**Main Operator Station**

Operator Terminal and pilot devices to be located where  If Remote, OIT Cable length

**Operator Station/Run Bar Configuration.** If more than two operator stations are required, including a footswitch the second input card is required and will be quoted.

How many operator stations required for this application  How many operator stations is Link to Provide

Is Footswitch Operation Required  Link to provide footswitch

All Operator Stations will be configured with a Station On indicator and a Red Emergency Stop Push Button (twist to reset, Tele.)

- A. Operator Station 1 Location**  Main Enclosure  Sloped Front of Console  Remote Enclosure
- Pedestal & Base  Run Bar Side Mount  Run Bar Top Mount

Palm Button Selection  2-Run/Inch Push Buttons with "U" Guards (Tele 60MM)  Two Run Palm Buttons with Guards (Rees)

Two Run Palm Buttons with Guards (Rees Low Force, Snap action)

- Additional Run Bar Items Requested  Yellow Top Stop button  Prewired with 15' of cable and cord grips
- Prewired with Heavy Duty 16 Pin Plug, coding Pins and cord grips  10 x 8 x 4 Enclosure with receptacle  Dummy Plug

**B. Additional Operator Stations**  Top Mount Run Bar  Side mount Run Bar

Palm Button Selection  2-Run/Inch Push Buttons with "U" Guards (Tele 60MM)  Two Run Palm Buttons with Guards (Rees)

Pedestal & Base  Two Run Palm Buttons with Guards (Rees Low Force, Snap action)

Additional Run Bar Items Requested  Yellow Top Stop button  Prewired with 15' of cable and cord grips

Prewired with Heavy Duty 16 Pin Plug, coding Pins and cord grips  10 x 8 x 4 Enclosure with receptacle  Dummy Plug

Number of Additional Red E-Stop Push Buttons Required?  Number of Additional Yellow Top Stop Push Buttons Required?

Separate Inch Buttons Requested and location?

Any Additional Run Bar Information

**Special Operation Modes required:**

Automatic Single Stroke  Continuous on Demand  Timed Inch  Maintained Continuous  Bar Mode

Any Additional Special Modes information

**Tonnage & Analog Signal Monitor Module**

Option Requested

900521 Omnilink II Tonnage and Analog Signal Monitor Module (Provides 4 strain gage inputs for four channel tonnage monitor or two channel tonnage monitor and two in-die strain sensors.)

109495 Optional 5100-8C PLS and Digital Die Protection Board (Provides 4 PLS Drives for external solid state relays and 4 digital die protection inputs.)

109467 Optional 5100-8A Analog Signal Monitor Board (Provides four channels for generic analog sensor input. Sensors may be strain sensors, analog proximity sensors, optic sensors, LVDT sensors, pressure sensors, etc., with 4-20ma or various voltage span outputs. Also provides four programmable outputs to drive external solid state relays, two programmable inputs, and power supply connections for these outputs and inputs.)

35'  50'  75'  100'  Strain Gage Enclosures and Drill fixture kit will be quoted unless otherwise noted.

**Die Protection**

Model 5122 and 5123 modules provide digital die protection logic and input connections for either 8 or 16 sensors, respectively. Up to 5 modules can be used with the Automation Control for a maximum of 80 sensor inputs. The universal inputs accept sensors with NPN or PNP outputs as well as probes and mechanical contacts. Up to eight sensors may be individually connected through plugs in the faceplate. Alternatively, sensors may be wired directly to terminals inside the module enclosure or connected en mass through a cable to a quick connect receptacle.

Option Requested  Indicate the quantity of Die Protection Channels Requested

Select Die Protection Module

**Additional Die Protection Accessories**

Molded Cables, Junction Boxes, and Connector Components. Please indicate the quantity of each item requested.

108776 MC19-22 (6.5') Cable	<input type="text"/>	108948 8 Port Junction Box with 19-Pin Connector	<input type="text"/>
108777 MC19-3 (9.8') Cable	<input type="text"/>	108775 MC 19 Male receptacle with Pigtail for field wiring	<input type="text"/>
108778 MC19-5 (16') Cable	<input type="text"/>	108046 Straight connector Plug for field wiring	<input type="text"/>
108048 Right Angle connector Plug for field wiring	<input type="text"/>	108853 DMC19-8 , 19-Pin Receptacle & Terminal Assembly for 8 sensor	<input type="text"/>
109004 Enclosure for 108853	<input type="text"/>	108854 DMC19-16 , 19-Pin Receptacle & Terminal Assembly for 16 sensor inputs	<input type="text"/>
109005 Enclosure for 108854	<input type="text"/>		

**Auto Setup Module(s)**

Up to 4 of these modules can be used. Each Automatic Setup Module has a standard Base Autoset Module that can accept optional circuit boards to automatically set slide positions and air pressures for counterbalance, cushions, etc..

Each 5100-14 module can control:

- One position adjust system, four air systems, and a hydraulic overload.

OR

- Two position adjust systems, two air systems, and a hydraulic overload.

Up to four 5100-14 Auto Setup modules can be installed in a system. This allows up to 2 slides, 2 counterbalances, 2 hydraulic overloads, and 16 cushions to be controlled on a press.

Option Requested

- 900664 5100-14 Automatic Setups Base Module (required for Auto Sets)
- 121281 5100-14A Air Adjust Circuit Board
- 121283 5100-14C Rotary Shut Height Adjust Circuit Board

**If 5100-14A is requested you must select an air valve from the drop down list below.**

Auto Setup Air Valve Assembly Options

**If 5100-14C is requested you must select a wiring kit option from the drop down list below**

- 121559 Multi-Turn Rotary Encoder Shut Height Unit
- 900670 Rotary Encoder Mounting Bracket with Lot of Chain & Sprockets

Auto Shut Height Wiring Kit Option

**Black Max Light Curtains**

Light Curtains Required?  Provide make and model of existing light curtains used

How Many Light Curtians

LL\_MAX LITES  LL- MAX Brackets  Mirrors

LL\_MAX REMOTE  LL-MAX REMOTE Brackets  How Many Mirrors

Proper brackets will be quoted for mirrors and remote segments

**Is Link to Supply Barrier Guard interlocks?**  How Many

**If customer is to supply Barrier Guard Interlock it must be a two pole device**

**New Die Safety Plugs and Receptacles Required**

If customer is to supply Die Safety Plugs & Receptacles they must be 2-Pole .

Link Supplied Die Safety Blocks to be located :

**PLS/Logic Module & Enclosures**

Up to six PLS/Logic Modules can be used . Each Logic Module provides Logic and power for up to 16 channels of PLS output and provides sockets to plug up to 2 output relay boards, each with 8 outputs, on top of the module. Select either one (8 outputs) or two (16 outputs) relay boards,electromechanical or solid state, for each module from the relay board list. Each PLS/Logic Module also provides 16 logic inputs that can be used for sensor inputs to verify action of control components sequenced by the programmable limit switches and other logic functions

Option Requested

- 120242 5100 PLS/Logic Module (each module supports 2 relay boards with 8 outputs each.) If PLS 17-32 are ordered the appropriate number of Logic Boards will be quoted.
- 108840 5100-5A Electromechanical PLS 1-8
- 108842 5100-5A Electromechanical PLS 17-24
- 108844 5100-5A Solid State PLS 1-8
- 108846 5100-5A Solid State PLS 17-24
- 108841 5100-5A Electromechanical PLS 9-16
- 108843 5100-5A Electromechanical PLS 25-32
- 108845 5100-5A Solid State PLS 9-16
- 108847 5100-5A Solid State PLS 25-32

If Solid State relays are required please indicate the number of AC and/or DC relays required. Solid State PLS are recommended for speeds above 200 SPM.

AC

DC

Is access to end of main crankshaft available for 1:1 coupling of resolver

Resolver Cable Length

**Is the press equipped with Hydraulic Overloads**

If yes, drawings must be provided for proper interface.

**Clutch/Brake System**

Clutch/Brake Configuration Type is:

The Clutch/Brake system is actuated via:

Link to provide New Valve(s)

Number of Valves required

Valve Size

If existing Valves are to be re-used describe valves and valve monitor and provide make and model

If separate valves, is timing required to prevent clutch/brake overlap

Use this area to provide any additional information for Clutch/Brake

**Number of Air Pressure switches requested**

Check the appropriate boxes below to indicate how the Air Pressure Switches are to be used.

- Counter Balance
- Clutch/Brake
- Flywheel Brake
- Die Cushions
- Other

**L-O-X Valve**

**New Filter/Regulator/Lubricator for Counter Balance Required**

**New Filter/Regulator/Lubricator for Air Supply Required**

**Safety Relay Drive Module & Safety Relay Output Module**

Used for Safety Interface to Automation Devices. If this option is needed additional information will be required for proper interfacing. Please check the appropriate boxes below that apply.

Safety Relay Module Required

Feed System

Transfer

Stacker/DeStacker

Other

**Is the press equipped with Die Clamps?**

If yes, drawings must be provided for proper interface.

**Serial Feed Interface.**

Link's serial feed interface allows feed parameters to be set by job and recalled by the Operator Terminal for an extensive number of servo feeds commonly used in press applications. Link has developed serial feed interfaces for many models and servo drive versions. Because feed manufacturers often change servo drive brands, the software within a given servo drive system or feed operator terminal, and have options that may affect serial feed interface, accurate information (as requested below) is necessary for Link to determine if serial feed interface is supported for a particular feed and, if so, the proper serial feed interface firmware and interconnect hardware for the feed. Based on the information provided below Link will quote the proper cable or cables and adapters required.

Option Requested

Feed Manufacturer

Feed Model

If Manufacturer or Model informations is not available or the feed has been retrofitted it is very important to provide the Drive Type and any other information you may think will be helpful in the quote process

Feed Cable Length (determined by the distance between OIT location and the feed control)

**Modbus / PLC Interface.**

Link's PLC Interface Software allows the Automation Control Operator Terminal to interface with a PLC to provide special functions. The 806 OIT can send information and parameters to the PLC for its use in performing logic, and the 806 Operator Terminal can have screens configured to display information from the PLC. Modbus Interface allows information exchanged between the Automation Control and other intelligent systems.

Option Requested

Modbus Interface Part Number 109353

PLC Interface Part Number 108946

Additional information or request helpful in quoting