



LINK SYSTEMS

LINK ELECTRIC & SAFETY CONTROL CO. • 444 McNALLY DR. • NASHVILLE, TN 37211
PHONE (615) 833-4168 • FAX (615) 834-1984 • WEB www.linkelectric.com

PART REVOLUTION POWER PRESS CONTROL SURVEY SHEET

COMPANY NAME: _____ DATE: M/ D/ Y
STREET ADDRESS: _____ SURVEYED BY: _____
CITY: STATE: _____ POSTAL CODE: _____
QUOTE SENT TO _____ PHONE NO: _____
TECHNICAL CONTACT (IF DIFFERENT): _____ FAX NO: _____

What Type of New Control Is Recommended? Omnilink 5000 SS-501 SS-501-PB
Incoming Line Voltage: 208 230 460 575 Other: _____

Machine Classification Information

Power Presses

Property #: _____ Manufacturer: _____ Model: _____
Press Serial Number: _____ Year of Manufacture (Estimate): _____
Frame Type: OBI OBS GAP Straightside with tie rods Straightside with welded uprights
 Other (describe): _____
Rated Tonnage: _____ Tons Press Stroke Length is: _____ Inches
Press Shut Height: _____ Inches Press Drive System Overdrive Underdrive

Press Brakes

- Friction Clutch with Mechanical Linkage
- Air-Over-Air System
- Straight Air Cylinder
- Shoe Brake Band Brake
- Air Clutch Hydraulic
- Bending Punching Only

Motor Information

1. Main Flywheel Drive Motor Is: 3 Phase AC Other: _____
Motor is Rated at: _____ Hp Full Load Amps: _____ Motor RPM Is: _____
Starter is: Reversing: Non reversing:
Is New Main Motor Starter Needed? Yes No
If No, Explain: _____
Is Solid State "Soft" Start Required? Yes No
Zero Speed Provisions: Yes No
Existing Zero Speed Switch: Mechanical Electronic (*Print Req'd.)
New Electronic Zero Speed Detector?



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Stroking Speed Is: Fixed: Variable:

- A. If Fixed, the Speed Is: Strokes per Minute:
- B. If Variable, the speed Varies from to Strokes per Minute

The Method of Varying the Speed Is:

- I. Mechanical Variable Speed System (Reeves Type Drive)
 - Manually Adjustable (e.g. W/ Hand Crank)
 - Electrically Adjustable W/ 1 PH Mtr 3 PH Mtr
- II. Existing Eddy Current Drive
 - Make Model
 - Controller to Mount in New Control Enclosure? Yes No
 - Dimensions: H X W X D
 - Controller Has Integral Power Supply Transformer
 - Link to Provide transformer for E.C. Control
 - Leave Space for:
 - Speed Pot Yes No
 - Strokes per Minute Meter Yes No
 - Amp Meter Yes No
 - Current Transformer Yes No if Yes Size H X W D
- III. D.C. Variable Speed Drive (*Print Required for Quoting)
- IV. A.C. Variable Frequency Drive (*Print Required for Quoting)

2. Shut Height Adjustment Is Done How?

- Manually
- Pneumatically (Air Adjust)
 - Slide Adjust Pushbuttons Required? Yes No
- Electrically
 - 3 Phase AC Motor Other:
 - Is New Starter Required? Yes No
 - If Yes, HP Full Load Amp RPM
 - If No, Explain

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

- A. Function Reversing Non-reversing
- HP Full Load Amps RPM
- New Starter required? Yes No If No, Explain:
- Start and Stop Pushbuttons Required? Yes No If No, Explain



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- B. Function Reversing Non-reversing
HP Full Load Amps RPM
New Starter required? Yes No If No, Explain
Start and Stop Pushbuttons Required? Yes No If No, Explain

Lube System Information

4. Does the Press have an Automatic Recirculating Oil Lubrication (lube) System?

Yes No

If Yes:

- A. Lube Pump Type

- 120 VAC Single Phase (Amperage)
 3 Phase AC HP Amps RPM
 Lube Solenoid

- B. Is There a Lube Controller or Lube timer? Yes No

If Yes, Manufacturer Model

Is Controller to Mount Inside of New Enclosure? Yes No

If Yes, Size Is: H X W X D Inches

Is Electrical Hook-up Drawing Available? Yes No

- C. What Sensors are Used to Monitor for Lube Faults? (Multiple Sensors Are Commonplace):

- Low Lube Pressure High Lube Pressure
Low Lube Level Sensor Closed by Lube Flow
Sensor That Pulses (Opens and Closes) by Lube Flow

5. Does the Press Have a Pulsed Grease Lubrication System? Yes No

If Yes:

- A. Grease Pump Type

- 120VAC Single Phase (Amperage)
 3 Phase AC HP Amps RPM
 Greased Lube Solenoid

- B. Is There a Grease Lube Controller or Timer? Yes No

If Yes, Manufacturer Model

Is Controller to Mount Inside of New Enclosure? Yes No

If Yes, Size Is: H X W X D Inches

Is Electrical Hook-up Drawing Available? Yes No

- C. What Sensors Are Used to Monitor for Grease Lube Faults?

- Sensor Closed by Grease Flow
 Sensor That Pulses (Opens and Closes) by Grease Flow
 Low Grease Level Limit Switch
 Other:



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Requirements for New Control

6. Size of Existing Control Enclosure H X W X D

Any Size Restrictions on New Enclosure?
(Provide Sketch If Necessary in Space Provided at End of Survey)

Type of New Enclosure required

- Standard Nema 12 with Through-the door Disconnect (Hinged Left)
 Nema 12 with Flange Mount Disconnect
 Flanged right, Hinged Left (Standard Configuration)
 Flanged Left, Hinged right (Non-Standard Configuration)
 Console
 Front Door Only Both Front and Rear Doors
 Sub-panel **Only** H X W
 Card Rack Assembly Only
 Other - Describe And/or Attach Photo or Sketch

7. Mounting: Main Control enclosure to Be Located Where?

- Right End of Press
 Left End of Press
 Front of Press
 Floor-standing Control Enclosure on Legs
Approximately How High Will Bottom of Main Enclosure Be off of Floor?
(Info Required for Ergonomic Considerations)

8. Operator switches, Lights, Etc. to be Located Where?

- Right Side of Main Enclosure
 Left Side of Main Enclosure
 Door of Main Enclosure
 Located in Remote Enclosure
Special Requirements for Remote

**NOTE: ALL OMNILINK
QUOTES WILL PROVIDE
FOR EITHER REMOTE OR
CONSOLE MOUNTING OF
OIT**

- Sloped Front of console
 Shipped Loose (Ft Length GF OIT Cable (For OmniLink Only))

9. Does the Press Have a Flywheel Brake? Yes No

If Yes, Is this Flywheel Brake

- A. Mechanically (Manually) Operated
 B. Pneumatically Operated (with an Electrically Operated Air valve That Keeps The Brake Disengaged When Main Motor Is Running)

Is There an Air Pressure Switch or Other Interlock to Drop Power to Main Motor Starter If the Flywheel Brake Should Unintentionally Engage Yes No



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10. Does the Press have an Air Cushion That Requires Automatic Lubrication? Yes (*) No

11. Is the Press Equipped with Die Clamps? Yes (*) No

12. Is the Press Equipped with a Hydraulic Overload System? Yes (*) No

13. What Instrumentation Is Used on the Press and Needs to Be Provided for?

Totalising Parts Counter

Batch Control Counter

Other

Link to Provide New? Yes No

Link to Provide New? Yes No

14. How many Operator Stations?

15. Method of Actuation Requirements

New Palm-buttons Required? Yes No

What Configuration Is Required for Palmbutton Run Stations?

2 Guarded Black Run Buttons, 1 red E-stop Button

2 Guarded Black Run Buttons, 1 red E-stop Button, 1 Yellow Top Stop

How Are Palmbuttons to Be Mounted?

in "FS" Style Mounting Boxes (Option for SS-501 Controls Only)

in Standard Run-bar(s) with Following Options:

Direct Machine Mount

Mount on T-stand (Pedestal & Base)

Prewired with Feet of so Cable

With Phoenix Heavycon Connectors

(Receptacles and Dummy Plugs Mounted in Separate Enclosures Unless Otherwise Specified)

Other (Describe)

Number of additional red E-stop Palmbuttons required?

Number of Additional Yellow Top Stop Palmbuttons Required?

Prior Action Buttons Located Where? (Choose One) Sta 1 Run-bar MOS

For Omnilink 5000 Quotes: Inch Buttons Located At: Sta 1 Run-bar MOS

Is Footswitch Actuation required in Single Stroke Mode? Yes No



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16. Special Operation Modes required:

- Automatic Single Stroke (Omni-Link Only, Not Available in Model 501)
- Maintained Continuous; Type Fast Stop Maintained Continuous; Type Top Stop
- Times Inch Continuous on Demand (Omni-Link, Not Available in Model 501)
- Other (describe)

17. New Link-lite(s) Required? Yes No If No, Why?

How Many Required?

Please List Location, Scan, Etc., for each Link Lite. (Use Last Sheet If Req'd.)

Link Lite #1 Location Model Scan Distance (feet) # of Mirrors Req'd Remote Segment req'd (305 only)	Link Lite #1 Location Model Scan Distance (feet) # of Mirrors Req'd Remote Segment req'd (305 only)
Link Lite #3 Location Model Scan Distance (feet) # of Mirrors Req'd Remote Segment req'd (305 only)	Link Lite #4 Location Model Scan Distance (feet) # of Mirrors Req'd Remote Segment req'd (305 only)

Is Muting of Link-lites Required in Upstroke? Yes No

If Omnilink, Mute in What Modes? All Inch Single Auto None

Link-lite Mounting Brackets required? Yes No How Many?

Type: Machine Mount Straight Floor-standing
 Swing Arm Customer to Furnish
 90°

Are Barrier Guards Used on the Press? Yes No

18. Rotary Cam Limit Switch Required? (501's) Yes No If No, Why?

If Yes, How Many Switch Positions? (Check One) 4 6 8 Other

If System 2500 is required, is resolver to mount in rotary cam switch? Yes No

Is Access to End of Main crankshaft available for 1-to-1 Coupling of Cam Switch or Resolver/Encoder? Yes No

Resolver cable length (Check One) 35' 50' 75' 100'



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28. If the Clutch/brake Mechanism Is an Air Operated **Combination** Unit:

Is a New Ross Valve with E-P Monitor Required? Yes No

If Yes, What Size? 1/2" 3/4" 1" 1-1/4" Other

If No, Is Existing Valve Dual Solenoid? Yes No

If Dual, Does the Valve Incorporate a Valve Monitor? Yes No

If Yes, Describe Valve Monitor

(Go to Next Section)

29. If the clutch and brake Mechanisms Are **Separate** Air Operated Units And:

A. **One Valve Operates Both clutch and Brake**

Is a New Ross Valve with E-P Monitor Required? Yes No

If Yes, What Size? 1/2" 3/4" 1" 1-1/4" Other

If No, Is existing Valve Dual Solenoid? Yes No

If Dual, Does the Valve Incorporate a Valve Monitor? Yes No

If Yes, Describe Valve Monitor

Does Press Have an Auxiliary Clutch Valve? (E.g. Some Versions) Yes No

B. **Separate Valves for Clutch and brake**

Is a New Ross Valve with E-P Monitor Required? Yes No

If Yes, What Size? 1/2" 3/4" 1" 1-1/4" Other

If No, Is existing Valve Dual Solenoid? Yes No

If Dual, Does the Valve Incorporate a Valve Monitor? Yes No

If Yes, Describe Valve Monitor

For Brake Valve:

Is a New Ross Valve with E-P Monitor Required? Yes No

If Yes, What Size? 1/2" 3/4" 1" 1-1/4" Other

If No, Is existing Valve Dual Solenoid? Yes No

If Dual, Does the Valve Incorporate a Valve Monitor? Yes No

If Yes, Describe Valve Monitor

30. If the clutch and Brake Mechanisms Are Separate Air Operated Units, Is Any External Timing Used to Prevent Clutch and Brake Overlap? Yes(*) No

If Yes, Describe Timing Method Used

Basic Pneumatic Information

31. Does the Press Have a Functional Air Operated Counterbalance? Yes No

32. Does the Press Have Functional Air Operated Die Cushions? Yes No

If Yes, Are There Cushion Locks? Yes No



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33. New Air Pressure Switches Are Required For:
 Counterbalance Clutch/brake (How Many Clutch/Brake Switches?)
 Flywheel Brake Die Cushions Additional (How Many)
34. Is New Filter/regulator/Lubricator Required for Air supply? Yes No
35. Is New Filter/regulator/Lubricator Required for Counterbalance? Yes No
36. Is New L-O-X Valve Required for Lock-out & Tag-out of Air Line? Yes No
If Yes, Size: 1/2" 3/4" (standard) 1" 1 1/4"

Current Auxiliary Equipment Used with Press

37. Does the Press Have Any of the Following existing auxiliary equipment?
 Tonnage Monitor Die Protection Programmable Limit Switch
38. Is Auto Setup Required Optional
 For Air Counter balance
 For Air Cushion
For Automatic Shut Height Adjustment (Rotary)
39. List and Describe Any Auxiliary Equipment Items Present on the Press but Not Covered in r
Preceding Questions.
40. Are Power Receptacles Required in the New Press Control for Any Auxiliary Equipment?
Yes No
If Yes, Describe: (Voltage, Amps, Location, Fusing. What Equipment Plugs into Receptacles)
(This information is imperative to enable proper sizing and quoting)



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Notes, Sketches and Special Instructions (i.e. Gears, Enclosures, Etc.)

Items in Survey Marked by Asterisk (*) Are Among Those That May Require a Copy of the Existing Press Control Electrical Prints in Order to Provide a Detailed Quote.