

Vulcan

1200 Computerized Fitting Cutting System

"The Time Machine"

- 3 The Vulcan 1200 comes to you complete with an Estimation Contractor 1 computer, printer, tape punch and rewind wheel. The Contractor 1 computer is specifically designed for the construction industry, with over 2000 field tested systems in operation. The Contractor 1 has a unique keyboard which makes it easy for your operator to learn its operation. You do not have to know how to type to run a Contractor 1 Computer. The Lockformer Company trains your operators in the use and the care of the Contractor 1. You learn how to input all of your jobs and the Contractor 1 optimizes all of your material usage. Don't lose way - buy a Vulcan 1200 today.
- 4 Your Vulcan 1200 is more than a cutting table, it gives you a complete shop system. All the reports needed to run a shop, your Vulcan 1200 gives to you: (A) Gum labels for each piece of material cut on your Vulcan 1200, (B) Gum labels for each piece of straight duct if you desire, (C) Large numbers for each piece if desired, (D) Cut list for your coil line or straight duct, (E) Cut list for the Vulcan by size and gauge, (F) Shipping check list, (G) Management reports for all the materials used on a job by gauge and pounds, (H) List of all rails and turning vanes by size, (I) List of all connectors by size, (J) List of all companion angles by size, and (K) all insulation used on the job by size. Stay on top - Buy a Vulcan 1200 today.
- 5 The Vulcan 1200 cutting table is designed to work at the standard shop table height. You do not have to bend down to work on your table so you reduce back fatigue. Vulcan 1200 table height is higher than the rails, which reduces chance of damage when loading and unloading the table. Reduce fatigue - Add Speed - Buy a Vulcan 1200 today.

The capacity of your Vulcan 1200 is 3/8" stainless steel, 1/4" mild steel. The cutting speed for the lighter gauge material is 250 inches per minute. Cost of operation is approximately \$2.00 per hour of cutting time.

Back up. Yes we have Back up. The Vulcan cutting table itself is backed up by Airco, a Fortune 100 company. Don't hesitate - Get a date - Buy your Vulcan 1200 today.

LOCKFORMER

VULCAN 1200

Site Preparation Information

IT IS THE RESPONSIBILITY OF THE CUSTOMER TO PROVIDE THE FOLLOWING REQUIREMENTS PRIOR TO INSTALLATION OF THE VULCAN 1200.

1. An earth ground must be furnished for each cutting table at its installation site.
2. POWER REQUIREMENTS (in accordance with local and National Electrical Code Standards)

PLASMA ARC CUTTING MACHINE
15 Amps - 115 Volts - 60 Hz.

PLASMA ARC CUTTING POWER SUPPLY
60 Amps - 220 Volts - 3 Phase - 60 Hz. STANDARD

3. GAS SUPPLY
Primary Cutting Gas = Nitrogen 20 SCFH = (1 Tank Liquid Nitrogen ARLG Ref. produces 3850 cu. ft. 160 litres of liquid)
Secondary Cooling = Carbon Dioxide 250 SCFH (1 Tank Liquid CO2 390 lbs.)

NA

4. TANK HEATER
Customer must furnish one CO2 Tank heater of the following specifications:

NA

McILRATHS Automatic Liquid Heater
Model 600F / 600 Watts / 120 VAC
Manufactured by CALCO CONTROLS
427 Lincoln,
Fox River Grove, Il. 60021

NOTE: It may be necessary to add a heated regulator to the CO2 tank. Recommended regulator: AIRCO #806-8005 Electrically Heated Regulator, 115 Volts, 1.3 Amps.

5. EXHAUST VENTILATION
System to be furnished by customer.

Available Electricals			
Volts	Phase	Hz	Amps
200	3	50	36
208	3	60	30
208	1	60	57
220	1	50	56
220	1	60	54
220	3	50	29
220	3	60	29
230	1	60	50
230	3	60	27
380	3	50	18
415	3	50	14
460	3	60	12
500	3	50	11
575	3	60	10

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FACT SHEET

- LOCKFORMER has sold 70 VULCAN 1200 Cutting Systems that produce 45 to 80 sheets of fittings in an 8 hour day.
- LOCKFORMER NESTING Program will reduce shop scrap even more than ever before.
- LOCKFORMER ESSI Program (which permits any shop worker to easily produce any shape from a simple drawing either manually or tape control) has always been a feature in the VULCAN 1200.
- LOCKFORMER has a fitting library with over 50 rectangular and over 50 round and oval fittings which can be moved out of plane and elevation to give you over 560 fitting configurations.
- LOCKFORMER SEGMENTATION is a part of our software program that allows a contractor to produce a single large fitting that takes more than one sheet of material to produce.
- LOCKFORMER cuts INSULATION to correct size, this eliminates recutting the insulation after it has been cut on other systems.
- LOCKFORMER CAD/CAM system will aid in detail/drafting, again to eliminate labor costs, will be available early next year.
- LOCKFORMER VULCAN 1200 DUCT LINE will be the latest state of the art in manufacturing both duct and fittings from a single source.
- LOCKFORMER VULCAN 1200 is a totally supported system with software fitting version update #3 now complete. No charge to the customer.

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OPTIMAL METAL USAGE: The computer figures the entire job at once, not one piece at a time. Thus the individual pieces of each and every fitting are laid out in whatever configuration uses the least amount of scrap. It's oftentimes wasteful to run the pieces of an elbow, for example, on the same sheet. The computer automatically figures the optimal usage of the metal for the entire job.

SHIPPING LIST: A complete list is automatically generated of each and every item. This serves as a check list as everything is loaded on the truck to insure that all fittings and straight duct are being shipped to the job site.

CUT LIST: The computer automatically compiles a complete list of every joint connector that is required for the entire job: slips and drives, bar slip, TDC corners and connectors, traverse and joint reinforcing steel, total turning vanes to be cut, etc. A separate shop instruction label is also generated for each duct or fitting that requires reinforcing.

FRAME LIST: Tells you how many joints of a given size for a given type of joint occur in the job. This allows you to pre-assemble frames so they are ready when the fitting or duct comes back.

MANAGEMENT REPORT: Provides you with a complete, easy-to-read report of all of the material that went into the job:

- total lineal footage of all the connectors, by type of connector;
- total lineal footage of all reinforcing material required;
- total footage of vanes and vane rail required;
- total square footage of duct liner by thickness;
- total square footage - by gauge - of all the material you used.

THE VULCAN 1200: A PRODUCTION TOOL. A MANAGEMENT SYSTEM.
AVAILABLE ONLY FROM

THE LOCKFORMER COMPANY

WHERE THE MACHINES OF TOMORROW ARE MADE TODAY

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**CUT FITTINGS AUTOMATICALLY
CUT TIME AND WASTE DRAMATICALLY!**

Lockformer technology brings you the ultimate production machine: The VULCAN 1200 - a computerized fitting cutting machine.

After years of development, the VULCAN 1200 system now gives your shop a production tool that will give you incredible advantages over your competition.

And it gives you a management planning system that will revolutionize the company's efficiency - and dramatically improve your profit picture.

Just feed the sheet metal section onto the 5' x 10' bed, enter in the computer the fittings required, and watch the VULCAN 1200's plasma arc cutter carve out what you need. Exactly.

And as a result of just entering the fittings, the computer automatically provides you with:

COMPLETE FINISHING INSTRUCTIONS: The computer tells you precisely - on a printed label - everything you need to know about the total assembly of the piece of metal that has been cut:

- what piece of machinery in your shop to run it on, allowing for gauge (e.g., small or large pittsburgh);
- what type of insulation - if any - is required;
- how to specifically break the piece (Down, up, radius to set in rollers, etc).

TOTAL MATERIAL HANDLING SYSTEM: Each production run is done in a different colored label. This enables your men to get the right material to the right part of the job at the right time (e.g., High rise job: red labels on 5th floor, yellow on 6th, etc). Each piece is specifically labeled with its location.

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Optional equipment: 12 ft rail extensions and a second table,
Software package for round and oval,
Software package for drop cheek,
Software package for square to round

A complete list of additional software package applications for all phases of the construction industry is available from Estimation.

The Lockformer Company also has an optional Multi-tasking/Multi-user computer for those of you who would like a larger capacity system to run their complete shop and office. For an additional charge we offer a Digital Micro PDP 11 Computer. The PDP 11 is the latest state of the art Micro computer in the industry. The larger capacity computer comes with one (1) CRT and two (2) printers. System can be expanded to 90 megabytes at an additional price. The system comes standard with 6 ports, and is expandable to 10 ports. You can have your computer in one room and your CRT located in another part of your building. The Digital Micro PDP 11 has a catalog of 980 pages of software available that can run applications from a bank to a playground.

The Lockformer Company once again has come up with a system that will make your company more bottom line profit. The Vulcan 1200 has the fastest payback of any machine ever made. So don't delay - buy a Vulcan 1200 today.

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The Lockformer Company was established in 1937, and since then has become recognized world wide as the leading manufacturer of sheet metal machinery. Soon we will be celebrating our 50th year in business serving the HVAC Industry, and we are looking forward to our next 50 years.

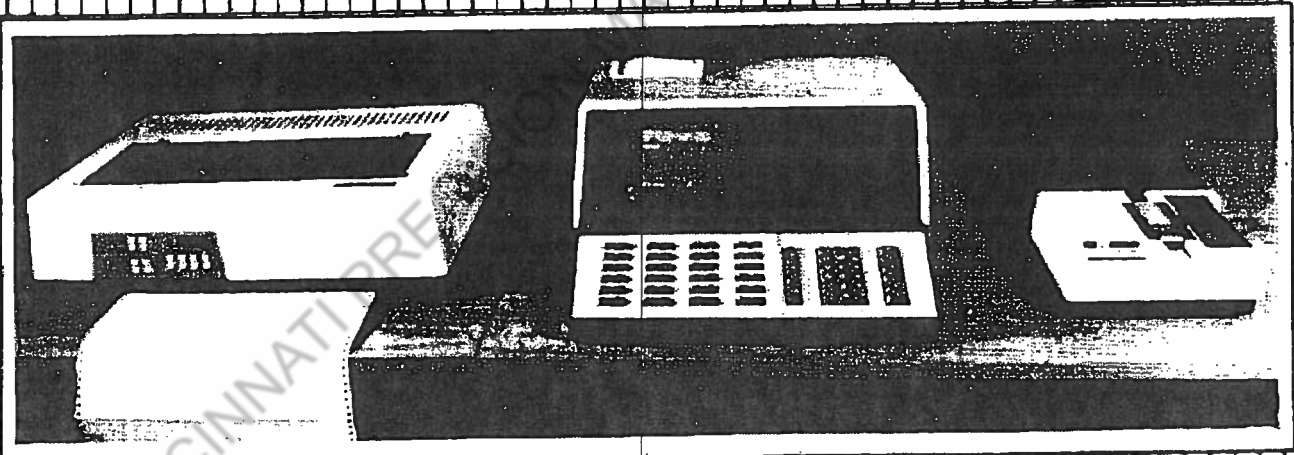
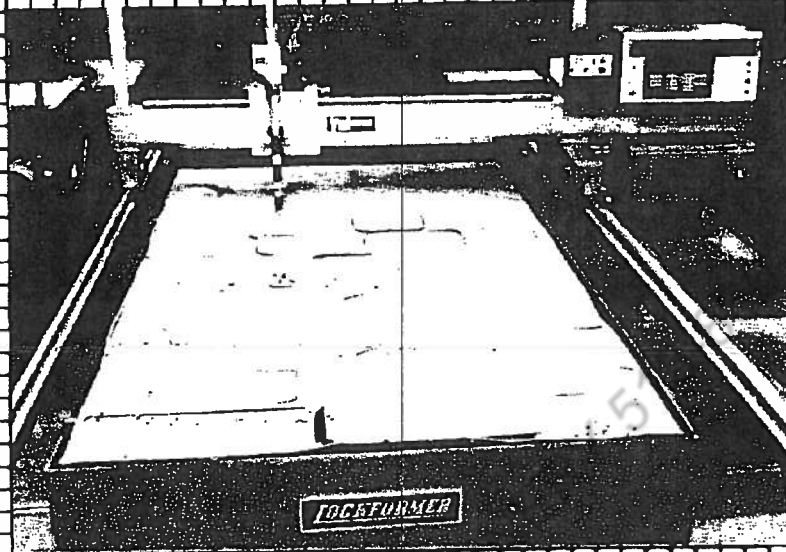
The Lockformer Company has always been the leader in new and innovative machinery for the HVAC Industry. The Vulcan 1200 is yet another example of our "Can Do" attitudes. At Lockformer, we have spent 2-1/2 years in research and development on the Vulcan 1200, and it offers you the most complete computer controlled fitting cutting system available in the market today. The Vulcan 1200 offers you:

- 1 The most complete software package in the industry. No other company can cut as many fittings as we can. We go out of plane and out of elevation, which allows you to make 1 fitting, not 2 or 3 fittings. Our software package is updated periodically to insure our customers the most complete and comprehensive system available in the industry. Our competition still has not reached the point we started at with the Vulcan 1200. You can change your program in your own shop; no need to send your disc back and forth to add new information, you do it yourself. The Lockformer Company has a full time staff of four people working on software to insure you, our customer, the most advanced and complete programs in the HVAC Industry, today and in the future. Why play catch up? buy a Vulcan 1200 today.
- 2 The Vulcan 1200 has a second computer mounted on the cutting table that is user friendly and allows you to manually program odd shapes in seconds. You can manually program rings, circles or squares in seconds, not minutes. You can also manually program more complex shapes just by inputting the dimensions and the directions that the cutting head is to follow. No need to buy expensive optical tracers and make fancy scaled drawings. All you need is a sketch with dimensions and you are cutting material. Make 1 or 10 or just tell the computer how many and you are making parts. How long does it take to learn how to manually program a Vulcan 1200? About 5 minutes. However, Lockformer, gives you an detailed training program in your plant on the proper use and maintenance of your Vulcan 1200. Why not do it all? Buy a Vulcan 1200 today.

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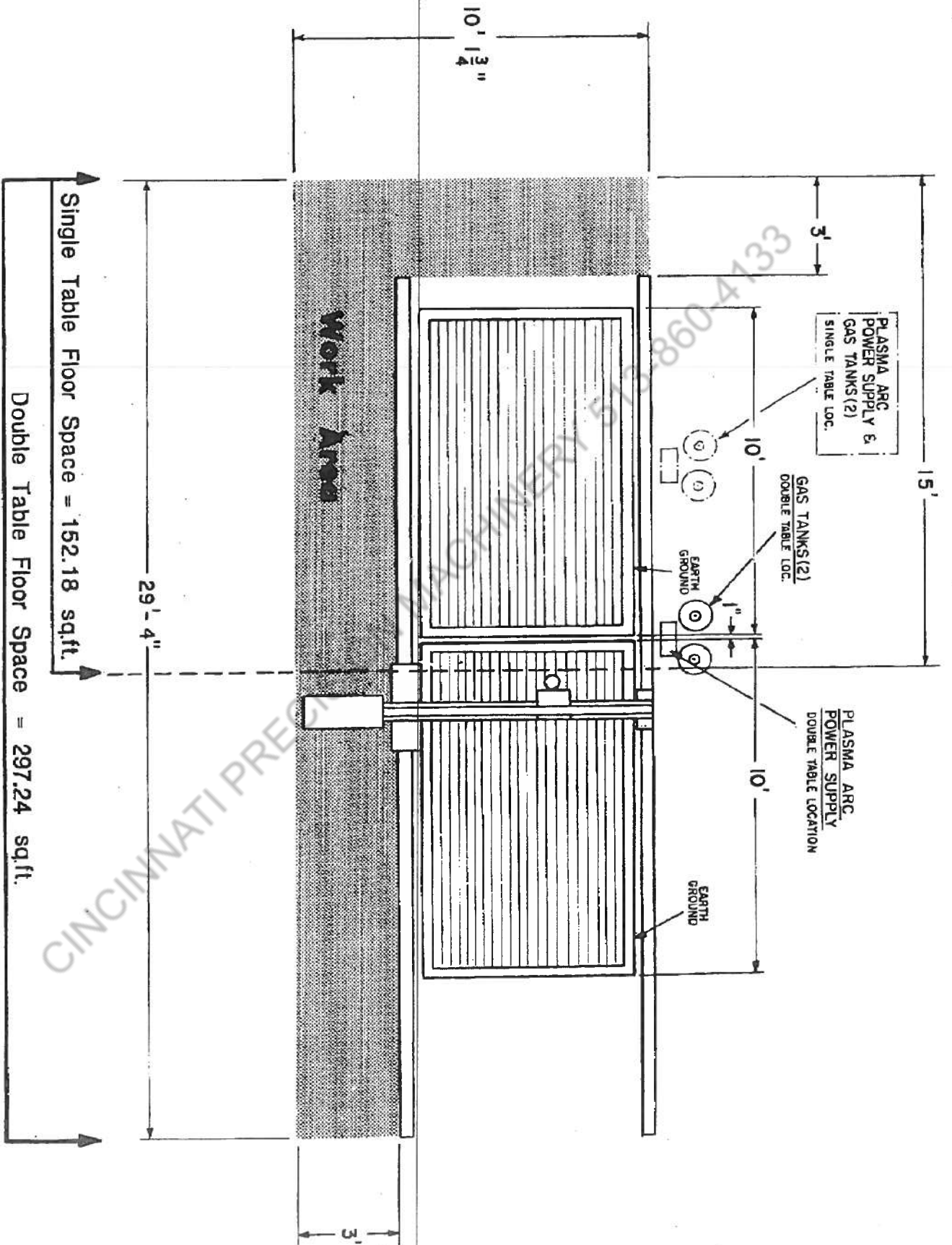
Vulcan™

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Cutting System



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**WHERE THE MACHINES OF TOMORROW
ARE MADE TODAY SM**



D. Brabec Nov. 2, 1982

THE LOCKFORMER COMPANY

