A Computer in a Finishing Shop? -What a Novel Idea!

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If you were to put a PC in your shop, you can do the following: Control your business with a shop management software program; advertise your business nationally and locally with a website over the Internet; buy and sell goods and services using e-commerce; and communicate with employees, friends, family and customers by e-mail. Many more uses will be explored.

For more information, contact: Ira S. Handelsman General Manager Cornerstone Systems, Inc. 333 Commerce Drive Suite 200 Crystal Lake, IL 60014 USA 800.275.4274 ira@ask4csi.com www.ask4csi.com Computers have become an everyday word. Everywhere you turn, there is a computer looking at you. **But why should Finishers turn to computers?**

According to Products Finishing's Steve Kline on a past article that he wrote, he says: "Although information cannot be found on the balance sheet, it is perhaps the most valuable asset of any company. In recent years, many companies maintained this valuable asset in numerous file cabinets or a couple of databases, one for accounting and one for shipping/receiving and so on. When the information was needed, an employee searched through various cabinets or databases and pieced the required information together. But more and more companies realize that the real value of information comes not from maintaining it, but from their ability to distribute, compute and analyze it virtually instantaneously. Why are these capabilities so important? Because with them a company can better understand costs, increase efficiency and improve communications with customers."

What do finishing shops say about a computer program that runs their business?

"...allows us to grow our business, better service our customers, and increase the bottom line by putting in place processes that maximize our productive resources while minimizing non-valued added activities."

"...we now have the capability to minimize overhead and accordingly track orders though the plant, which increased our productivity. ...supplies our personnel with real data that they can rely on and manage, but our customers have relied on the security of knowing we can provide them with the information they need."

"Process control is vital to the metal finishing industry. ... arranges process masters and makes it easy to fine tune specific processes, even by part number. ... order entry, parts pricing, and invoicing control has helped us manage our company efficiently to serve our customers needs for fast accurate technical information."

"...allows us to communicate to our customers, giving them solid information on their job and its status."

Advantages of adding a shop management program:

- 1. It's quicker
- 2. More information for better decision-making
- 3. Frees key people up in the shop
- 4. Helps eliminate mistakes
- 5. Accurate record keeping
- 6. Audit Trail
- 7. Saves on labor
- 8. ISO certification
- 9. Ability to do repeat orders

How will this make us better finishers?

- 1. It will save your people time
- 2. Shop becomes more efficient
- 3. Eliminates parts being lost
- 4. Be able to track orders when a customer calls
- 5. Produces backlog reports
- 6. Amount of reworks will decrease
- 7. Enter information only once
- 8. Recapping business activity for each month becomes easy
- 9. Produce at a higher rate
- 10.Historical information at your fingertips

Why can't we continue to be on the manual system?

Both big and small shops are on manual systems, and there is nothing wrong with that way of doing business. It has worked for some companies that I know of for the past 60 years. I recently visited a company that has been doing it for the past 40 years, but realizes that a change is needed. However, today we live in a computer world, where our children are being taught the use of computers from 1st grade and up. Our news of the world is being first reported over the Internet, and the Internet is vastly becoming our new means of communication.

Manual system operated shops are sometimes afraid of the computer. Being afraid of striking the wrong key, and wiping all the information out. However, computers are becoming easier to operate each and every day. There are so many resources to learn computers from. There are computer books as well as all types of trade magazines from beginners all the way to the most technical oriented users. Of course there are school courses being given all the time on Windows 95, 98, 2000, XP, ME and also courses on the Internet.

Once you overcome the initial fear of computers, you can see how valuable a tool that a computer system could do for you personally and for your business. Energy previously expended entering orders by hand, invoicing, checking on shipments, typing or copying statements and summarizing information for projections or reports, can now be handled by a software program. You can print, fax, e-mail customer statements, provide accurate entry of shipping tickets (invoices), customer's sales history, quotation, shop tracking and accounts receivables, etc. You can even e-mail and fax information directly to the customer. You only enter information once, therefore eliminating mistakes on repeat customers. Recapping your business activity for each month becomes easy. Sales and customer history are automatically available when needed.

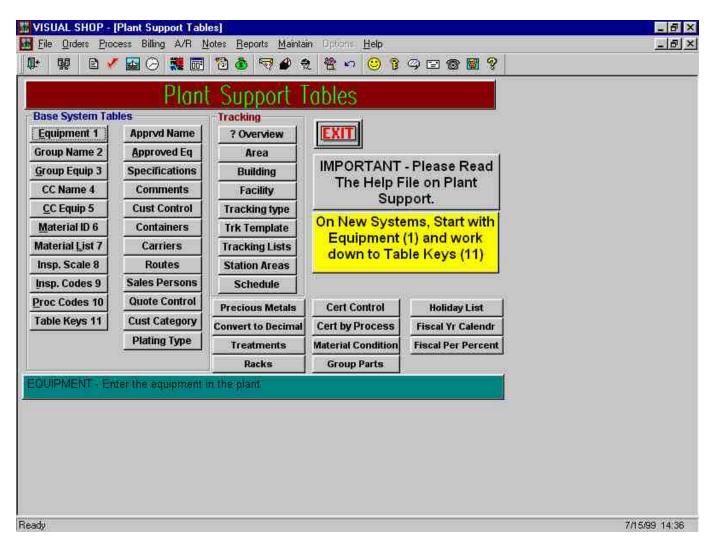
How will a program grow my business?

A software system provides the finisher with the most important functions needed to increase overall efficiency. Time being spent before out on the floor looking for parts, orders that were not written up correctly etc, can now be better spent with your customers and production areas.

The following are screen shots of a typical program for the finishing industry:

Quotations: Create quotes to send out to customers via e-mail or directly fax from the computer. Quotations link to order entry, process masters, and invoicing. A quotation can consist of multiple parts with each part having its own pricing. In order entry, the computer automatically attaches a quote based on an exact part ID match.

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The **Plant Support Tables** is where base information is loaded into a system. Everything is built upon this information. In a sense, it is the foundation of the system.

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Shop Order will contain a wealth of information.

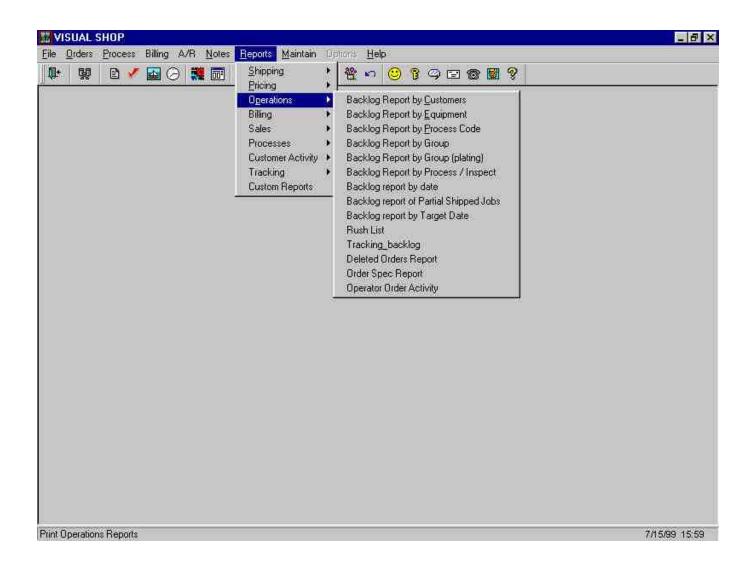
- 1. Order header will contain the customer information such as PO number, ship to and receive from addresses, requested date, rush date, etc.
- 2. Containers that were received, quantity, and pounds.
- 3. Parts name, ID, and description.
- 4. Serial numbers.
- 5. Process master is searched and displays general process master information.
- 6. Inspection requirements.
- 7. Process Steps is the instructions that are carried out to perform the process.

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Certifications are based on Cert Formats. You can specify a particular format to be used. If there are no specific formats selected, then the computer will assign the cert to a standard format. Different formats for different customers.

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The **expediting** window allows you to look up orders, review current order status and order information, place jobs on rush, post information to the customer history tables, post notes through the note system, print quick backlogs, and automatically log transactions to the current history table when order is reviewed. It data logs everything. Keep track of whatever takes place with that order: who entered it, who shipped it, etc.



Reports are very important to have. As described above, you can see what types of reports that can be made available to you with just dealing with operations.

Invoicing

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Automatic creation of invoices based on memorized pricing or quotes. When a job is shipped, the invoice is automatically created if the job is a repeat job, then it is automatically priced. Also have the ability to do multiple orders on one invoice and partial billing. You can change an invoice at any time.

There are many types of pricing that a system should do: part pricing, process pricing, process pricing by customer, process grid pricing, grid or dimensional pricing, bracket or step pricing.

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Thank you for your business						
			Pay	y This Amoun	t	\$366.5

Process Masters is a set of instructions to do a job from start to finish A **part** is assigned to a process master. When a part comes in it is automatically linked to a process master. A generic process master is a standard process that the shop does. In the parts system, the generic master can be tweaked for that particular part by altering the racking instructions, packing instructions, etc. Record all types of production rates for the part: the size, price, color, etc.

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Can never have enough **reports**.

Shipping

Shipping of the parts

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The above slides are examples of what a software program may include. Other items in a program could include Operator Security, Lab Analysis, Digitized pictures of parts, Tracking and scheduling, Bar Coding and more.

The Internet is opening up a lot of new ways how finishers will conduct business now and in the future.

There is a web based software program that will allow your customers to access and enter information via the Internet. This will improve your customer relations while lowering your operating costs. It provides your customers with real time information on their jobs and a quick and easy method of communicating with you. This is highly customizable. Finishers select which customers have access to their data, and can restrict access to specific information on a customer-to-customer basis. The best part is that this can all be done with the click of a mouse, from any web browser anywhere in the world. All the data is in real time, so customers see exactly what the Finisher's see.

Your customer will be able to do the following:

- Enter a quote request,
- Check shipments,
- Request a pickup,
- Check on an order,
- Check their account,
- Communicate via notes.

What will I gain as a finisher for having this Internet feature? Better Communication.

- 1. Your customers get better service.
- 2. Your customer service personnel will now have more time to take care of real problems.
- 3. You reduce your operating costs because your phone traffic will be greatly reduced.
- 4. You provide a level of service that most of your competition can't provide.
- 5. Your customers can enter their own information such as pick up requests and quote requests.

What will your customers gain by you having Internet? Better Communication.

- 1. Your customers can get the information they need right away.
- 2. They no longer have to play phone tag or spend long periods of time on hold.
- 3. And when you customer does call you, you are now more available.

Having a web site on the Internet you will receive the following:

- Access to millions of potential customers worldwide. No matter what size of a company you are, there is a level playing field for all. You have the same opportunity to reach and influence prospects.
- 24-hour access expands your business without ever having to add extra staff.
- Full color graphics of products and services.
- Prospects can review your information at their own pace.
- Easily updated; good for time sensitive material. Cost effective way to advertise compared to hard copy material. And don't forget about the postage cost.
- Links from other sites creating more traffic flow to your web site.

The bottom line here is that with a small investment, you can compete with companies many times your size.

E-commerce is just not for consumer shopping. It is also about using the latest technology to streamline your business practices by creating an increase in both efficiency and savings and by reducing inventories. Businesses are using e-commerce for business-to-business connections that make purchasing easier. With an e-commerce site, supplier sales should increase as they reach a new customer base locally, nationally, and internationally while buyers can enjoy the benefits of sitting in front of their computers and making buying decisions. Simply put, e-commerce is about promoting products and services through an on-line medium. Businesses, both large and small, are present on the Internet, making it easy to shop 24 hours a day, seven days a week, 365 days a year.

Computer technology is here to stay. I realize that shops have existed for many years with out ever having a computer, but the times are changing. People say that they are afraid to touch a keyboard on a computer for the fear of striking the wrong key. It is very hard to crash a computer by touching the wrong key. There are many books, schools, and seminars that are geared for the first time user. And the price of hardware has dropped so much that the retailer is virtually giving away computers.

In conclusion: A computer in your shop will save your people time and make you more efficient, and by being hooked up on the Internet you have the future possibilities to do:

- Account Status customers being able to go onto your web site and check the status of their orders.
- Invoicing being able to invoice directly over the net.
- Quoting being able to quote jobs.
- E-mail send e-mails to your customers. Also being able to send newsletters directly to your customers. Customers being able to request further information about your company.
- Job posting being able to post current job openings on several industry related sites.
- Discussion forums many of the industry associations offer discussion boards on common problems and issues related to the industry.
- Trade Associations being able to check out the AESF or NAMF web sites for important information or future events.
- Customer support many software companies offer support through the Internet via e-mail or online support.
- Trade Periodicals being able to read your favorite trade journals over the Internet.
- E-commerce being able to shop for your parts, equipment, everyday supplies, and more over the Internet.
- **Goal the ultimate goal is to eliminate paper and to improve communication.** Computers are here and they are here to stay. The time is now for Finishers to join this technology wave. Make that first step, and enjoy the ride!