Welcome to EASYCNC online shopping!

E-mail: sales@easycnc.net Web: www.easycnc.net

Monday - Friday (Except Public Holidays) 9:00am - 6:00pm (JST)

ONLINE SHOPPING WEBSITE

FROM 2012, WE HAVE ON-LINE ACCESS. IT CAN MAKE PAYMENT DIRECTLY BY PAYPAL OR CREDIT CARD. CUSTOMERS CAN ENJOY THE ON-LINE SHOPPING FROM WEBSITE HTTP://WWW.EASYCNC.NET

PayPal VISA MasterCard

PURCHASE PROCESS

PRODUCTINQUIRY → ORDER → PAYMENT → SHIPMENT → ORDER SUCCESSFUL

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BECAUSE CONFIDENCE, SO SUCCESS!
NEVER RETREAT, WE ARE THE BEST TEAM!

COMPANY PROFILE

JAPAN EASYCNC LIMITED IS A PROFESSIONAL INTERNATIONAL SUPPLIER AND PROVIDER OF CNC SPARE PARTS (COMPUTER NUMERICAL CONTROL) FOR MACHINE-TOOLS. HEADQUARTER OF OUR COMPANY IS IN JAPAN, AND HAVE BRANCH OFFICE IN HONGKONG, SHENZHEN AND MALAYSIA. OUR MISSION IS TO OFFER BETTER SERVICE FOR PARTNERS, TO HELP MANUFACTURING COMPANIES FIND WAYS TO MAXIMIZE THEIR PRODUCTION WHILE MINIMIZING THEIR COST OF BUYING CNC SPARES PARTS WE PAY SPECIAL ATTENTION TO BUSINESS INTEGRITY, MUTUALBENEFIT STRIVE FOR PROVIDING THE BEST QUALITY SERVICE FOR NEW AND OLD CUSTOMERS, AND ENJOY GOOD REPUTATION.

FROM 2012, WE HAVE ON-LINE ACCESS, THE CUSTOMERS CAN ENJOY ON-LINE SHOPPING FROM WEBSITE WWW.EASYCNC.NET

WE HOPE WE CAN BUILD LONG-TERM BUSINESS RELATIONSHIPS WITH WORLDWIDE CLIENTS. AS A CUSTOMER-ORIENTED COMPANY IT IS SURE THAT WE ARE YOUR BEST CHOICE IN CHINESE MARKET BUSINESS FRIENDS FROM ALL OVER THE WORLD ARE WARMLY WELCOMED.

ACTING BRAND

KEYENCE
OKUMA
OMRON
MITSUBISHI ELECTRIC
SUNX
SMC
FUJI ELECTRIC
SIEMENS
FANUC
ABB
SKF
A-B QUALITY

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WORLD INDUSTRIAL COMPANY'S LARGEST SELECTION
LARGEST SURPLUS INVENTORY IN THE WORLD
A LARGE NUMBER OF INVENTORY AVAILABLE FOR IMMEDIATE SHIPMENT

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FANUC

FANUC PRODUCTS

WE HAVE LARGE NUMBER OFINVENTORY OF FANUC REPAIR PARTS AND ARE PROFESSIONAL TO PROVIDE THE FANUC PARTS WHICH ARE STOPPED PRODUCTION OR TOO SCARCE TO GET.

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MITSUBISHI ELECTRIC

MITSUBISHI PRODUCTS

- PLC
- SERVO DRIVE
- MOTOR
- ENCODER
- INTERFACE PANEL
- THERMAL RELAY
- CONNECTION CABLE
- PCB BOARD

KEYENCE

KEYENCE PRODUCTS

- POSITION DETECTION SENSORS
- FIBER SENSORS
- PHOTOELECTRIC SENSORS / LASER SENSORS
- MICRO PHOTOELECTRIC SENSORS
- PROGRAMMABLE CONTROLLERS / INTERFACE TERMINAL
- PRESSURE SENSORS / FLOW SENSORS

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OMRON

OMRON PRODUCTS

- FIBER SENSORS
- PHOTOELECTRIC SENSORS / LASER SENSORS
- MICRO PHOTOELECTRIC SENSORS
- PROGRAMMABLE CONTROLLERS / INTERFACE TERMINAL
- PRESSURE SENSORS / FLOW SENSORS
- PLC

FUJI ELECTRIC

FUJI PRODUCTS

- FUJI INVERTER
- FUJI INVERTER CONTROL BOARD
- FUJI IGBT/TRANSISTOR

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SUNX

SUNX PRODUCTS

- FIBER SENSORS
- PHOTOELECTRIC SENSORS / LASER SENSORS
- MICRO PHOTOELECTRIC SENSORS
- PROGRAMMABLE CONTROLLERS / INTERFACE TERMINAL
- PRESSURE SENSORS / FLOW SENSORS
- PLC

SMC

SMC PRODUCTS

- ACTUATORS
- MODULAR F.R.L./PRESSURE CONTROL EQUIPMENT
- FITTINGS AND TUBING
- FLOW CONTROL EQUIPMENT
- SENSORS
- HYDRAULIC EQUIPMENT

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OKUMA Japan

OKUMA PRODUCTS

- PLC
- SERVO DRIVE
- MOTOR
- PCB BOARD

NEVER FORGET THE ORIGIN.WHEN REPOSITIONING FOR SUCCESS

OKUMA IS A LEADING COMPANY IN MACHINE TOOLS WITH AN IMPRESSIVE LINEUP OF HIGHLY ACCURATE AND RIGID NC LATHES, MULTITASKING MACHINES, AND MACHINING CENTERS--WITH OKUMA CONTROL (OSP CNC). SINCE 1898, OKUMA TECHNOLOGY HAS PROVIDED CUSTOMERS WITH THE RIGHT TACTIC TO INNOVATE (THE RIGHT STRATEGY FOREVER).

PRODUCT TESTING

WE HAVE A PROFESSIONAL TEST TEAM, ALL PARTS MUST BE PROFESSIONAL TESTED BEFORE BEING SEND TO CUSTOMERS.

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✧Buyer's Guide

1. Register and Login

To register, please go to the registration page by the homepage or membership center and follow the on-screen instructions in order to create an account. It would take you only 1 minute or less to fill in your personal and login information for a simple registration. Please remember to preserve your registered details for future use.

To login, please go to the login page by the homepage or membership center. You could easily login the system after inputting your registered email address and password. Once login successfully, you are able to get access to the latest product information as well as more considerate online service.

Forgot your password?

In this case we are going to send the link of resetting your password to your registered email address after your request of retrieving the password.

Register or Login now

2. Search

To search, please input the keywords in the search bar on the top of every webpage. The keywords should be the relevant information of the products you are looking for such as the part number, product name, manufacturer, brand, description, specification and so on. Trying proper keywords is always a better way to return the results you expect in our system.

Go to My Wishlist

3. Order

To order, please add the products you prefer to the shopping cart after you register and login the system. You could conveniently customize your orders by designing the details of billing information, shipping information, payment information, etc. Please remember to review all the details before you continue to place the orders and check out.

Go to My Shopping Cart

4. Payment

To pay, please go to the orders page by the homepage or membership center and follow the on-screen instructions in order to do the payment. The order amount would be clearly listed in the confirmed orders, containing the value of the products, the freight of delivery, the fee of payment and so on. You are advised to do the payment by the best way you have designed in the orders, as one of the main settlements for international balance which is always perfectly supported as below:

- Bank Transfer (T/T)
- Western Union
- Paypal (applying to order amount below US$1000 only)
- EASYCNC Account Credit
- Cash
- Credit Card / MoneyGram / Google checkout / Moneybookers (developing technology)

In order to facilitate the delivery schedule, please remember to send us the copy of transfer receipt after you do the payment.

Pay for My Orders now

5. Feedback

To feedback, please share your opinions freely in the feedback column. You are welcome to express your ideas whenever and wherever possible. It is certainly our pleasure to learn from the valuable advices immediately and globally, which would be extremely helpful for us to connect better and better products, services and solutions with our customers and users all over the world.

Feedback now

6. Enjoy Reward Points

To enjoy reward points, please go to the reward points page by the homepage or membership center and follow the on-screen instructions in order to review the record. You are welcome to enjoy more considerate online service by consuming the accumulated points and experience more and more benefit of regular price discount as well as various coming promotions. The more you could buy, the more you would enjoy.

Promotions Coming now

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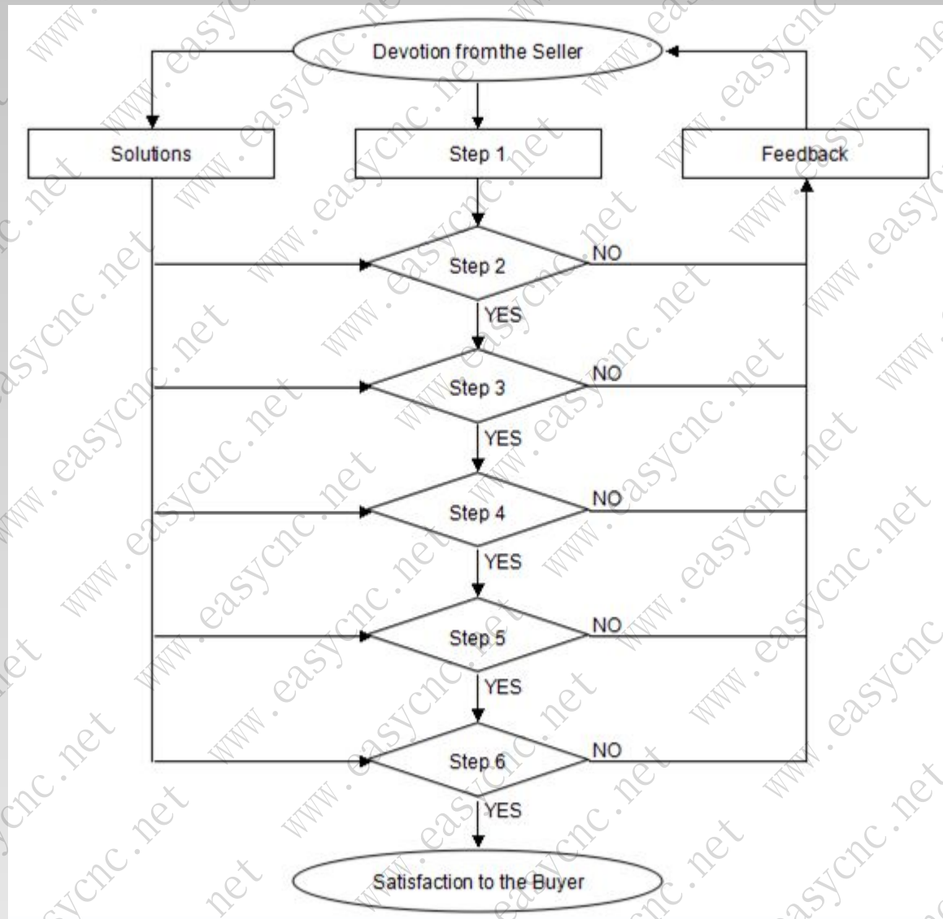
1. After-Sale Service

The after-sale service basically contains practical solutions for different situations after delivering the products. Consultancy service is always available and ready for you. Your impartial feedback is definitely valuable and highly appreciated.

Standard After-Sale Service Procedure



Sending Out the Products

The products would be properly packaged and turned over to the carrier according to the contract or proforma invoice agreed by both parties. Each party should officially contact and negotiate with the counterparty in advance for any shipping amendment of the contract or proforma invoice before the shipment by the seller.

Shipment Notice

The shipment notice would be advised by the seller to the buyer with the tracking no. or the scan of shipping waybill within one hour after the shipment by the seller. Pictures of products with packages, if available, would also be presented in accordance with the request of the buyer.

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International Logistics and Customs Clearance

The buyer could track the status of delivery on the website of the carrier by the tracking no. and contact the customer service for further information if necessary. It is important for the buyer to cooperate with the carrier and local customs in order to facilitate the delivery schedule in case of any official procedure. The seller would be cooperative to cope with the problems of logistics and clearance so as to assure the most considerate delivery.

Primary Inspections

Before signing and receiving the products, the buyer should take primary inspections when the packages are delivered to the destination. In most instances, primary inspections are supposed to be including but not limited to the feasible measures as below:

- Confirming the packages outside are intact with original sealing tape and without obvious damage.
- Confirming the products inside are intact without obvious damage.
- Confirming the products inside are with the same item no., quantity as the details in the packing list.

Primary inspections taken by the buyer should be witnessed inspections accompanied by the carrier with evidences of pictures or other records if possible. The buyer should timely contact and negotiate with the seller and the carrier in case of any dissatisfaction (including but not limited to product DAMAGE or MISSING) with the result of primary inspections. The seller would reserve the right to resort to necessary legal procedure so as to protect the lawful benefit for both parties.

Advanced Inspections

After signing and receiving the products, the buyer should take advanced inspections before further applications of operation, maintenance and so on. Advanced inspections taken by the buyer should be witnessed inspections accompanied by qualified inspectors with evidences of pictures or other records according to the requirements of product standards and instructions concerning the function, performance, property and so on. The buyer should timely contact and negotiate with the seller in case of any dissatisfaction with the result of advanced inspections. The seller would honestly approve of return, refund, repair, replacement and other appropriate solutions for cogent reasons according to the agreement by the negotiation of both parties within 30 days after signing and receiving the products by the buyer.

Utilizing the Products

The buyer should utilize the products according to the requirements of product standards and instructions after previous proper inspections. The buyer should timely contact and negotiate with the seller in case of any dissatisfaction with the result of normal utilization. The seller would honestly approve of return, refund, repair, replacement and other appropriate solutions for cogent reasons according to the agreement by the negotiation of both parties within 30 days after signing and receiving the products by the buyer.

You could simply express and convey your comments through Standard Form of Customers Feedback and Evaluation whenever and wherever possible. You are welcome to share your ideas by friendly suggestions on our service and business, which would gratefully benefit you in return with more and more considerate cooperation, devotion and satisfaction.

2. General Manual

The general manual basically contains the common issues of shop safety, setup and operation, routine maintenance, glossary and so on. There are different treatments for different products in different conditions. You are kindly advised to take more particular ideas into your own consideration during the practices in actuality and learn more by referring to the latest standards of International Electrotechnical Commission (IEC) as well as local industry, which would certainly enhance your experience on the related fields of applications.

Shop Safety

Safety Awareness

Most machinists go their entire career with no serious injury even though they work with many different machines that expose them to risks. Machinists are, by nature and training, careful and methodical. They learn from experience an attitude of safety awareness and respect for equipment. Knowing that ignorance can hurt you is essential to cultivating an attitude of safety.

It is true that CNC machines are generally safer than manual machine tools. They are usually completely enclosed, which reduces the risk of flying chips, debris from broken tools, or contact with a spinning tool. Yet machine shops are inherently dangerous places that are unforgiving of any carelessness, ignorance, or neglect.

Cutting tools, and the chips they produce, are sharp. Chips ejected from the machine can cause eye injuries. CNC machines can move over one foot in less than a second. Any physical contact with a spinning tool will result in serious cuts or worse. Remember, if it can cut metal it can cut skin and bone just as easily.

Here are some examples where a failure to know or apply shop safety rules caused injury:

- A person forgets to wear safety glasses and sustains an eye injury from a metal chip thrown over the top cover of a CNC mill as they walk through the shop.
- A person leans against a bench where a cutting chip has fallen, resulting in a cut to their hand.
- A person wearing open sandal shoes has a chip fall between their foot and shoe, causing a cut.
- A person leaning over a machine suddenly raises their head and bumps into a tool stored in the tool changer, causing a severe cut.
- A person reaches into the machine to remove a part, gets distracted and rakes their arm against an end mill.
- A person grinds a piece of aluminum on a bench grinder with a stone type wheel. The aluminum embeds in the porous wheel and expands due to heating, causing the wheel to fail and throw off fragments at high speed.

Personal Conduct & Shop Etiquette

It is important to follow strict of rules of personal conduct and etiquette in the shop. This will keep you and your peers safe and promote a hospitable and professional environment:

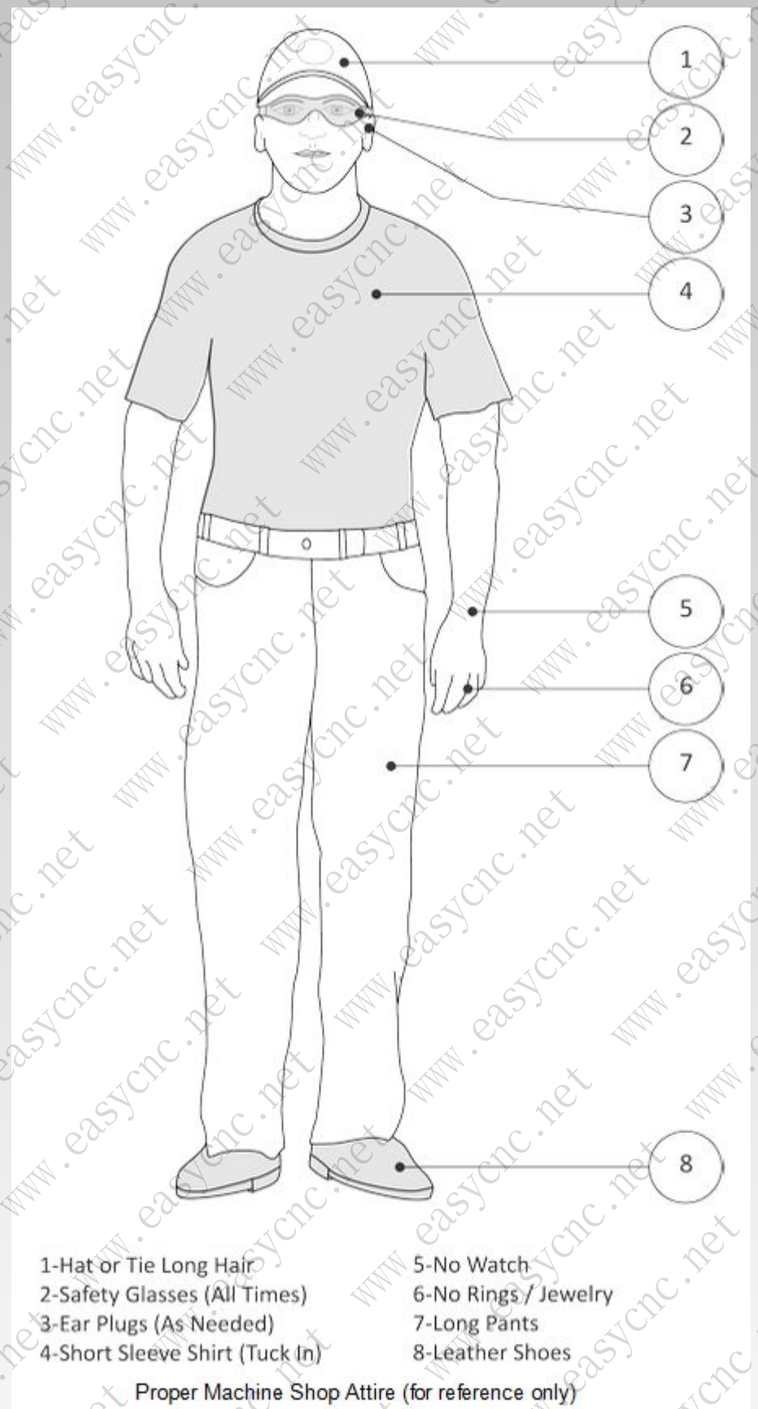
- Know where your hands are at all times.
- Move deliberately and always look where your hands are going.
- Always be aware of what could happen if your hand slips. For example, when tightening a bolt, think about what would happen if the wrench slipped. Would your hand or arm contact a tool? A pile of sharp chips?
- Always be aware of what could happen if you slipped and lost your footing. Would your center of gravity cause you to fall into a sharp tool or other hazard?
- No horseplay or practical jokes are allowed in the shop.
- Be considerate. Do not engage in loud or unnecessarily talk.
- Do not interrupt someone working at the machine. This could cause them to make a mistake.

- Never borrow tools from a private tool box without first asking the owner. If they refuse, accept it graciously.
- Respect professional Machinists. There is much you can learn from them.
- Do not make unreasonable demands ("I need it yesterday" etc.).
- Clean up after yourself. Leave the machine and surrounding area at least as clean as you found it.
- Always put tools and equipment where you found them.

Shop Clothing

Follow these rules of personal dress for the shop:

- Wear ANSI approved safety glasses or ANSI safety approved glasses with side shields. You must wear safety glasses at all times in the shop, not just when at the machine.
- If machining operations are loud, use hearing protection.
- Do not wear flip flops or sandals. Leather shoes are best. Steel toe shoes are not necessary unless handling heavy objects that would crush regular shoes.
- Do not wear long sleeve shirts because these could get caught in equipment. Wear short sleeves or T-shirts.
- Remove rings and watches when at the machine.
- Do not wear short pants. Wear sturdy long pants like blue jeans or work pants.
- Long hair should be tied back or under a hat to prevent it being caught in the machine spindle.
- Never wear gloves as they can be caught in the machine. Latex gloves are acceptable.



Proper Machine Shop Attire (for reference only)

General Safety Practices

Rules for a safe workplace:

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- Never use any equipment which you have not been trained to operate by a qualified person.
- Never tamper with a machine safety guard or switch.
- Get into the habit of constantly tidying the workspace. A clean workplace is safer. Random metal can not only scratch and ruin finished parts, they can cause severe cuts.
- Use caution when handling cutting tools. They are very sharp. Never handle a tool by its cutting flutes.
- Never start or jog the machine until you have checked that the work area is clear.
- Never push the start button on the machine unless you are certain your setup is capable of safely holding the part against all cutting forces during machining.
- Use caution when running a new program: especially at the start of program and after a tool change.
- Know where the emergency stop is on the machine and practice using it before you need it.
- Never run a machine alone or without other people within hearing distance.
- When working with someone else at the machine, clearly communicate who is running the machine.
- Never have one person touching the control while the other is working in the machine envelope.
- Use a paint brush to sweep away sharp chips. Never use your hands or a rag.
- Never use an air hose to clear chips from a machine. Flying chips are dangerous to you and others.
- Liquids spills are slipping hazards. Clean spills immediately.
- Dirty or oily rags must be stored in a fireproof canister. These can spontaneous combust and cause a fire.
- Lift with your legs, not your back.
- Never lift anything more than you can comfortably handle.
- Get help handling heavy or bulky objects.
- At the end of the program, command the machine to position the part close to the operator so it can be easily reached without leaning far into the CNC machine.
- Never leave a running machine untended.
- Before shutting the machine down, remove any tools from the spindle.
- Avoid contact with coolant. Water-based coolant contains microbes that can cause infection.
- Immediately treat and cover even minor cuts.
- Report any injuries immediately.
- Remain alert. Think safety in everything you do.

CNC Safety Practices

Use these extra precautions when running a CNC program for the first time:

- Use machine Rapid and Feed override controls to slow the machine down.
- A major cause of crashes is setting the tool or fixture offset incorrectly. Pay particular attention to moves at the start of program and immediately after a tool change as the tool moves towards the part. Use single-block mode to advance through the program one line at a time until the tool is at cutting depth.
- Remain at the machine with a hand on or near the emergency stop button.
- Stop machine motion at the first sign of trouble.

Safety Contract

Training facilities should require everyone to pass a safety quiz and sign a safety contract before allowing work in the shop. The safety contract makes clear the obligations and operating regulations of the facility. Failure to abide by the terms of the contract is cause for dismissal from the shop. An example safety contract is shown on the facing page.

**** Warnings*

- What you don't know CAN hurt you.
- Never operate a machine that you have not been properly trained to use by a qualified person.
- Read the machine operator manuals and follow all safety instructions.
- THINK SAFETY FIRST in all you do.

Shop Safety Compliance Contract

Course Name/Number:	Instructor:
	Start Date:

You are not authorized to work in the shop area until you attend the Safety Orientation, pass the Safety Quiz, and sign this contract. You may not use equipment without supervision available and without receiving instruction in its use. By signing this contract, you agree to abide by the following guidelines. Failure to follow safety guidelines is cause for dismissal from class.

Shop Regulations

Wear Safety Glasses – You must wear safety glasses AT ALL TIMES while in the shop area. You must wear safety goggles over prescription glasses unless your glasses have side shields and are ANSI safety approved.
Use Hearing Protection – You will wear hearing protection when and if asked to do so by the instructor.
No Jewelry – You will remove all rings, watches, necklaces, bracelets, and dangling earrings before operating any machinery or tools.
Proper Attire - You will wear ankle-length pants. Loose hair and clothing are extremely dangerous. You must tuck in your shirt, roll up long sleeves, secure draw strings, tie back hair, etc...
No Open-Toe Shoes – You must wear appropriate foot wear while in the shop. Shoes must be fully enclosed. Inappropriate footwear includes: open-toe shoes, sandals, crocks, high heels, etc...
Clean-Up–Before leaving the shop area, you must assist in cleaning any mess (metal chips, splashed coolant) that you produce. You must clean any spilled liquids immediately.
Return of Tools and Parts-You will return any tools, instruments, bits, etc. to their proper location after using them.
You will only operate equipment accompanied by an instructor. You must not use any equipment alone, or that you have not been trained to use.
You must follow proper operating procedures when using any machinery.
You must be courteous to others in the shop.
Do not engage in disruptive conversation.
Your actions must not interfere with others or their work area.
Do not use hand tools from any personal toolbox without permission of the owner.
You must not enter the shop area under the influence of drugs or alcohol. This includes prescription or over-the-counter drugs that include warnings against operating machinery. You must not consume alcohol within 8 hours of entering the shop area.
You must never remove the guards or disable the safety equipment from machinery.
If the machine makes an unusual noise or acts in any suspicious manner, you must stop the machine and inform the instructor immediately.
You must immediately report ANY injury to the instructor.
If an injury requires medical attention, call 911 immediately.
Do not lift objects heavier than can be easily manage without the aid of a lifting device or help.
Watch for slippery conditions and clean up any spills immediately.

By my signature below, I certify that I have read and agree to comply with all of the above shop regulations. I realize that I may be asked to leave the shop area for non-compliance with any of the above rules. If I am asked to leave, I will do so immediately and willingly.

Name (Printed):	Date:
Signature:	Affiliation:

THINK SAFETY

Shop Safety Compliance Contract (for reference only)

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CNC Machine Setup and Operation Process (for reference only)

Pre-Start

Before starting the machine, check to ensure oil and coolant levels are full. Check the machine maintenance manual if you are unsure about how to service it. Ensure the work area is clear of any loose tools or equipment. If the machine requires an air supply, ensure the compressor is on and pressure meets the machine requirements.

Start/Home

Turn power on the machine and control. The main breaker is located at the back of the machine. The machine power button is located in the upper-left corner on the control face.

Load Tools

Load tools into the tool carousel in the order listed in the CNC program tool list.

Set Tool Length Offsets

For each tool used, jog the machine to find and then set the TLO.

Setting tools requires manually jogging the machine with hands in the machine work envelope. Use extreme caution and observe the following rules:

- The spindle must be off.
- Never place your hand between the tool and the 1-2-3 block.
- Ensure the correct axis and jog increment are set before jogging.
- Move the handle slowly and deliberately. Keep your eyes on your hands and the tool position at all times.
- Never allow anyone else to operate the control when your hand is in the work area.

Set Fixture Offset XY

Once the vise or other fixture is properly installed and aligned on the machine, set the fixture offset to locate the part XY datum.

- To shift the datum RIGHT in relation to the machine operator, ADD a shift amount to the offset X-value. For example, to shift X+.1, input .1 WRITE/ENTER.
- To shift the datum CLOSER to the machine operator, SUBTRACT a shift amount from the offset Y-value. For example, to shift Y-.1, input -.1 WRITE/ENTER.

Set Fixture Offset Z

Use a dial indicator and 1-2-3 block to find and set the fixture offset Z.

- Shift the datum DOWN by an incremental distance from the top of the part to remove stock from the top-face by subtracting the amount of stock to remove from the Fixture Offset Z Value.

Load CNC Program

Download the CNC program from your computer to the machine control using RS-232 communications, USB flash memory, or floppy disk.

- All programs must begin with the letter "O" (NOT the number zero). The program name must be an integer up to five digits long. No decimal point, letters, or special characters are allowed.

Run Program

Run the program, using extra caution until the program is proven to be error-free.

- A common error is setting the Fixture or Tool Length offset incorrectly. When running a program for the first time, set the machine to Single block mode. Reduce rapid feed rate to 25%, and proceed with caution. Once the tool is cutting, turn off single block mode and let the program run. Do not leave the machine unattended, and keep one hand on the feed hold button. Listen, watch chip formation, and be ready to adjust cutting feed rates to suite cutting conditions.

Adjust Offsets as Required

Check the part features and adjust the CDC or TLO registers as needed to ensure the part is within design specifications.

- Wear compensation is used only on contour passes. It is not used for face milling, 3D milling, or drill cycles. Select the Wear Compensation option in your CAD/CAM software and, if needed, set a Tool Diameter Wear value as shown above. When used, the wear value is always a negative number.
- Always set Tool Diameter Geometry to zero for all tools since CAD/CAM software already accounts for the tool diameter by programming the tool center line path.

Shut Down

Remove tools from the spindle, clean the work area, and properly shut down the machine. Be sure to clean the work area and leave the machine and tools in the location and condition you found them.

- It is important to clean the machine after each use to prevent corrosion, promote a safe work environment, and as a professional courtesy to others. Allow at least 15-30 minutes at the end of each day for cleaning. At the very least, put away all unused tools and tooling, wash down the machine with coolant, remove standing coolant from the table, and run the chip conveyor.

****** Warnings***

- Never operate a CNC machine or any shop equipment unless you have been properly trained on its use.
- Observe extreme caution at all times.

- Follow all safety rules.

Routine Maintenance

Daily Care

- Check the hydraulic pressure to make sure it's at 4.5 MPa
- Check the hydraulic fluids to make sure they're at the right operating level
- Check to make sure the chuck pressure is at the right operating pressure
- Make sure the way lube level is at the right operating level, and replenish if needed
- If your CNC machine has a cooling system, make sure the cooling unit level is at the right operating level
- Clean the chips out of the chip pan, and grease any part that may need to be greased
- Clean off the window of the door and the light so you can see inside your machine
- Wipe down any stainless steel way covers and lubricate them with hydraulic oil so they move smoothly

On a weekly basis, or every 40 hours, take the filter off the CNC control cabinet and clean it so air will be able to flow through for cooling.

Quarterly Care

Every three months or 500 hours, contact your local distributor to have the following preventive maintenance performed by a certified Engineer:

- Check and grease the chain on the chip conveyor
- Check and clean the filters on the coolant tank

Semiannual Care

Every six months or 1000 hours, contact your local distributor to have the following preventive maintenance performed by a certified Engineer:

- Have the coolant tank cleaned of sludge, chips, and oil
- Have the chuck and jaws taken off the machine and cleaned
- Have the hydraulic tank drained and replace the hydraulic oil with fresh hydraulic oil – also have the line filter and suction filter changed
- Have the radiator cleaned and make sure the radiator fins are straight
- Have the lubrication unit drained and cleaned out – then add fresh way lube
- If your machine is equipped with a cooling unit, have the unit drained and refilled
- Have the leveling of your machine checked and adjust if necessary
- Have all way wipers inspected for any damage – clean and replace any wipers that are damaged

Annual Care

Every year or 2000 hours, contact your local distributor to have the following preventive maintenance performed by a certified Engineer:

- Have the headstock checked for taper
- Have the spindle checked for radial and end play
- Have the chuck cylinder checked for run out
- Have the tailstock checked for taper
- Have the turret parallelism and inclination checked
- Have your distributor run a backlash program to check the backlash in X and Z axis and adjust if necessary
- Have your distributor check the X and Z axis gibs and adjust if necessary

Your CNC machine is just like anything else – if you take care of it, it will take care of you.

Glossary

- 1-2-3 Block - A precision ground block that is 1x2x3 inches. Useful for helping set up the machine.
- 2D - A prismatic part of constant thickness.
- 2-½ D - A prismatic part with multiple thicknesses. All planes are parallel to each other.
- 3D - A part that is not completely prismatic, including molds and organically shaped parts.
- Burr - A sharp edge or flashing.
- Block - A line of code in a CNC program.
- CAD - Computer Aided Design
- CAM - Computer Aided Manufacturing.
- CDC - Cutter Diameter Compensation.
- CNC - Computer Numerical Control.
- Chip Load - The amount of material removed with each pass of a tool cutting edge.
- Datum - Point on the part from which all coordinates are referenced.
- Drill Chart - A table that shows drill sizes, their decimal equivalent, and what size drill to use for a specified tap.
- Feed - The linear speed at which a tool advances through material.
- First Article - The first part machined with a new program and setup.
- G-M Code - The CNC machine tool language.
- Gouge - An error that causes an overcut on the part.
- High Speed Machining (HSM) - Toolpath strategies that minimize machining time and tool breaking. Includes several technologies such as Adaptive Roughing that maintain a constant amount of tool engagement.
- Home - Location of machine after it is turned on and moved to its start position.
- ID - Inside diameter or contour, like a pocket.
- Insert - Carbide composite cutting tool used extensively for turning operations.
- Job - A sequential list of one or more machining operations that share the same setup and fixture offset.
- Machine Coordinate System - Coordinates in reference to the machine Home position.
- Mill - A machine tool that removes material by spinning a tool and moving it in relation to the part.
- OD - Outside diameter or contour.
- Overcut - Describes a machined feature is too big because not enough material was removed during machining.
- Post Processor - The part of a CAD/CAM system that actually creates and formats the CNC program for a specific machine and control.
- Rapid - The fastest linear feed rate at which a machine tool can move.
- Reference Point - Some point on the part that can be found reliably by mechanical means.
- Rigid Tapping - The capability of a CNC machine to control a tap without the use of a special tapping attachment.
- Scallop - Ridges left on the part, usually from a ball or bull nose end mill on a 3D sculpted surface.
- Setup- A complete set of work holding to machine one side of a part.
- Speed - How fast a tool turns in RPM.
- Spindle - Part of CNC machine that grips and spins the cutting tool.
- Stepdown - Distance the tool moves down in Z between machining passes.
- Stepover - Distance the tool moves over in the XY plane between machining passes.
- Stock Allowance - Amount of material left after a machining operation or pass to be removed by a finish pass.
- Spring Pass - Two or more machining passes that follows the exact same path. Used to straighten walls and improve surface finish.

- TLO - Tool Length Offset. Used to tell CNC machine the length of a tool.
- Tool Changer - A device on a CNC machine that automatically takes tools from a carousel and places them in the machine spindle.
- T-Slot - A slot in the machine table into which a special T-nut can be inserted. Used to fasten clamps or parts to the machine table.
- Turret - Lathe assembly that attaches the lathe tool holder to the machine.
- Undercut - Describes a machined feature is too small because too much material was removed during machining.

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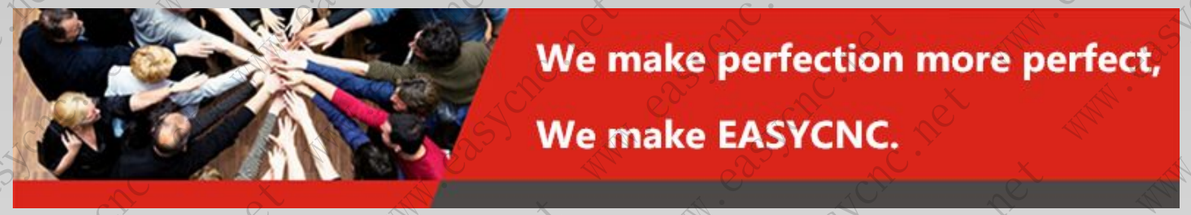
✧About EASYCNC



Accompanying decades of experience and profession in our business of CNC (Computer Numerical Control) spare parts for machine tools, EASYCNC has become one leading global supplier who firmly focuses on providing our worldwide customers with prevailing products and services ranging from Printed Circuit Boards, Liquid Crystal Displays, Batteries, Fans, Encoders, Decoders, Transistors, Sensors to Programmable Logic Controllers, CNC Monitors, Power Supplies, Robots, Servo Amplifiers, Servo Motors, Servo Drives, Spindle Drives and so on, which comprehensively cover the realms of Information Technology, Broadband, Mobile Devices, Networks, Automobiles, Medical, Energy and Environmental Technology, Industry, Military, Aeronautics and also Astronautics.

1. Who we are

The enterprise

Accompanying decades of experience and profession in our business of CNC (Computer Numerical Control) spare parts for machine tools, EASYCNC has become one leading global supplier who firmly focuses on providing our worldwide customers with prevailing products and services ranging from Printed Circuit Boards, Liquid Crystal Displays, Batteries, Fans, Encoders, Decoders, Transistors, Sensors to Programmable Logic Controllers, CNC Monitors, Power Supplies, Robots, Servo Amplifiers, Servo Motors, Servo Drives, Spindle Drives and so on, which comprehensively cover the realms of Information Technology, Broadband, Mobile Devices, Networks, Automobiles, Medical, Energy and Environmental Technology, Industry, Military, Aeronautics and also Astronautics.

Global role

Established in 1971, EASYCNC has witnessed impressive evolution of technology innovation and industry upgrade all over the world during the last four decades.

Following the international shift of markets between production and consumption, we have been strategically developing ourselves, phase by phase, from a global proficient distributor of current famous brands including but not limited to FANUC, MITSUBISHI, KEYENCE, SUNX, OMRON, SHARP, FUJI, NMB, TOSHIBA, PRETEC, YASKAWA, ALSTOM, SIEMENS, NSK, MOOG, OKUMA, YAMAZAKI MAZAK, AZBIL YAMATAKE and ALLEN BRADLEY, to a transcultural and comprehensive economic entity which focuses not only on the horizontal integration of traditional business but also on the vertical integration of emerging business as brand designing and marketing according to the schedule of economic globalization in 21th century.

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Monday - Friday (Except Public Holidays) 9:00am - 6:00pm (JST)

Grow with us

Back to 1983, as the first step to promote the oversea operation, EASYCNC gradually initiated 3 subsidiaries located in Europe and North America in the next five years. After three decades of studying and absorbing the business environments and social cultures in different countries, we then experienced a worldwide growing period and when 2013 came, the 30th anniversary in our oversea projection, there had been 10 subsidiaries, which included 8 offices and 2 plants with more than 250 skillful employees and therefore sophisticated teams, standing on major developed and developing countries from different continents.

All of the accomplishments we have achieved by yesterday, as we always believe, is going to become parts of the foundation for another new beginning of further global expansion in the future and particularly today, and tomorrow.

Your brand weaver

It is an epoch for business philosophy of brand designing and marketing in 21th century.

EASYCNC has been sincerely preparing itself as a friendly brand weaver for the developing cooperation and competition during its history. Every member in the family is successively dedicating himself to the brand value and corporate culture day by day, which has significantly contributed to the impressive influence in the CNC industry.

We cherish our enthusiasm to serve the people and the earth with profound brand image of supreme honesty and loyalty.

We make perfection more perfect, we make EASYCNC.

2. Corporate culture

It is our mission to aim at exerting the wisdom of technology so as to protect the future of the world.

It is our responsibility to persist in promoting the common value of respecting and sharing as a pioneer in the growing industry.

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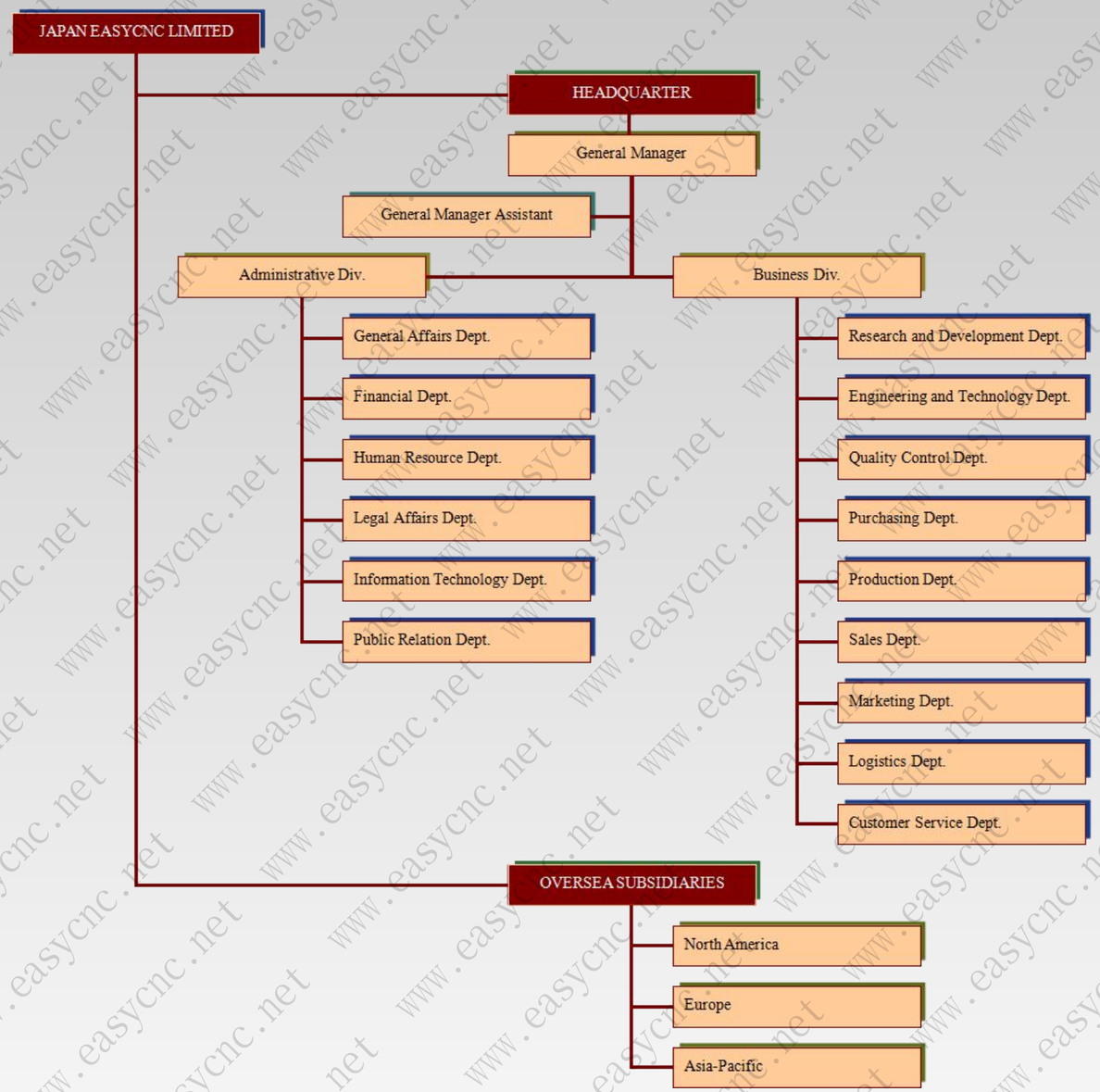
3. Organization and management



4. Environment and community

EASYCNC is concentrating on business of being environmentally friendly, economically feasible and technologically practical. We keep devoting ourselves to the community construction and improvement so as to assume and perform our corporate social responsibility (CSR).

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5. Careers

In EASYCNC, every success is because of everyone and also belongs to everyone. We take good care of each other and embrace our corporate vision together. It is a family in which you could freely show your genius and potential, it is the same family in which you could fairly play your career and life. Being with you, or being without you, there are lots of differences.
We would be always expecting your appreciation and devotion.
You are welcome to join us.

6. Contact us

It would always be our honor and favor to learn your precious opinions on whatever you care about, we care about.
Please feel it easy to start with your preference as below:

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