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More information
www.goldstarcnc.us



More information (786)400-0910

GRAPH PRO 48 CNC ROUTER

The Graph Pro 48 CNC Router is a highly versatile and potent CNC cutting machine, designed to deliver exceptional performance and unmatched cutting quality. With a broad range of advanced features and top-tier components, this machine is perfect for workshops and businesses aiming to enhance their productivity and efficiency.



🕺 KEY FEATURES:

- Vacuum table with 6 zones for efficient and secure material clamping.
- Oscillating cutting head with included carpet for added versatility.
- Large 4 ft x 8 ft x 1 ft (48 x 96 x 12 in.) working area
- High-quality 5-axis controller and integrated camera for precise and easy handling.
- Powerful 9kW HSD air-cooled spindle with automatic tool change.
- 1500W servo motor and driver for fast and precise movement.
- Linear tool system with capacity for 8 tools.
- I in. linear rails for smooth and precise movement.
- Automatic alignment system with 5 sets of pop-up pins.
- Pneumatic dust shoe for efficient dust collection.
- 59 in. helical rack and pinion transmission and ball screw on Z-axis.
- Auto lubrication for easy maintenance and extended machine life.
 - Three 10 hp vacuum pumps for firm and even material clamping.
- Compatible with industry-leading software such as MOZAIK, ALPHACAM.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

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THIS CNC ROUTER IS DESIGNED TO MEET THE NEEDS OF ANY DEMANDING WORKSHOP ENVIRONMENT, OFFERING A BALANCE OF POWER, PRECISION, AND EASE OF USE.

MG PRO 510/612 CNC ROUTER Machine

The MG Pro 510/612 CNC Router Machine is a robust and flexible cutting solution, crafted to meet the stringent needs of today's workshops. Equipped with an array of advanced features and high-quality components, this machine ensures superior precision, efficiency, and cutting quality. It's an excellent choice for businesses aiming to upgrade their production capabilities.



关 KEY FEATURES:

- Vacuum table incorporating 6 zones, ensuring secure and efficient material clamping.
- Expansive work area of approximately 5 x 10 x 1 ft (MG PRO 510), 6 x 12 x 1 ft (MG PRO 612), offering ample space for a variety of projects.
- Equipped with a modern controller system, including a 19 in. LCD monitor, keyboard, mouse, and a handwheel for easy operation.
- Powerful air-cooled spindle, approximately 12 HP, ensuring powerful and precise cutting.
- Efficient inverter, approximately 15 HP, for dependable power management.
 - High-performance servo motors (two at approximately 1.14 HP each and two at
- approximately 1.74 HP each) for smooth and precise movements.
- Reducer for enhanced operation accuracy.
- Linear 12-tool magazine with standard tool holder for efficient tool storage and access.
- Auto lubrication system for easy maintenance and extended machine life.
 - Helical rack and pinion transmission on X and
- Y axes, with a precise ball screw system for the Z-axis.
- High-quality rails for smooth and accurate operation.
- Automatic tool sensor for easy tool calibration.
- Two vacuum blower pumps, approximately 14 HP each, ensuring firm and even material clamping.
- 4-bag dust collector, approximately 14 HP, for maintaining a cleaner workspace.
- 8 sets of pop-up pins for accurate material alignment.
- Pneumatic dust shoe for effective dust collection.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.
- Standard spare parts included with the machine.

STAR 48/510/612 CNC ROUTER Machine

The Star 48/510/612 CNC Router Machine is an excellent choice for workshops demanding power, precision, and user-friendly operation. This CNC router, with its sophisticated features and top-tier components, enhances productivity while delivering consistent and exceptional results.

THIS CNC ROUTER IS DESIGNED TO MEET THE NEEDS OF ANY DEMANDING WORKSHOP ENVIRONMENT, OFFERING A BALANCE OF POWER, PRECISION, AND EASE OF USE.

Star 6

🔾 KEY FEATURES:

Vacuum table with 6 zones, providing efficient and secure material clamping.

Large work area of approximately 4 x 8 x 1 , ft (Star 48), 5 x 10 x 1 feet (Star 510), 6 x 12 x

- I ft (Star 612), offering ample space for various projects.
- Comes equipped with an advanced controller system, offering easy and precise operation.

Powerful spindle, approximately 5 HP (4kW), air-cooled and capable of delivering up to 18,000 RPM.

- Efficient inverter, approximately 5 HP (4kW) for reliable power management.
- High-performance stepper motor and driver system, ensuring smooth and accurate movements.
- High-quality reducer for enhanced precision and reliability.

Precise motion system with a helical rack

- and ball screw on the Z-axis for increased accuracy.
- Durable square rails for stable and precise movement.

Four sets of vacuum blower pumps,

- approximately 3 HP (2.2kW) each, for firm and even material clamping.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

STAR BASIC 44/48 CNC ROUTER MACHINE

The Star Basic 44/48 CNC Router Machine offers a dependable and cost-efficient solution for those seeking to incorporate the advantages of CNC technology into their workshops. With its sturdy features and components, this machine can handle a wide array of projects, consistently delivering impressive results while ensuring smooth and user-friendly operation.

> THIS CNC ROUTER IS AN EXCELLENT CHOICE FOR WORKSHOPS LOOKING TO LEVERAGE THE BENEFITS OF CNC TECHNOLOGY WITHOUT BREAKING THE BANK. ITS WELL-BALANCED BLEND OF POWER, PRECISION, AND USER-FRIENDLINESS MAKES IT A VERSATILE TOOL FOR A VARIETY OF APPLICATIONS.

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💥 KEY FEATURES:

Aluminum T-slot table with high-quality

PVC for versatile and secure clamping of workpieces.

Generous work area of approximately 4 ft x 4 ft x 1 ft (Star Basic 44) and 4 ft x 8 ft x 1 ft (Star Basic 48).

Equipped with a modern controller system for simple and precise control.

Powerful air-cooled spindle, approximately 5 HP, with ER25 collet, capable of reaching up to 18,000 RPM.

Efficient inverter, approximately 5 HP, for reliable power management.

- High-performance stepper motor and driver system, ensuring smooth and accurate movements.
- Durable square rails for stable and precise movements.

Precise motion system with a helical rack and ball screw on the Z-axis, ensuring increased accuracy.

- Front-mounted control cabinet for easy access and operation.
- Auto lubrication system for reduced maintenance and extended machine life.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

STAR PLUS 48/510/612 CNC FR

The Star Plus 48/510/612 CNC Router Machine offers enhanced performance and precision for your workshop. This advanced CNC router is the ideal solution for those seeking to boost productivity and consistently achieve high-quality results. Packed with top-tier features and components, this machine is engineered to meet the demands of even the most challenging projects.

> THIS CNC ROUTER IS AN **EXCELLENT CHOICE FOR THOSE** LOOKING TO TAKE THEIR WORKSHOP CAPABILITIES TO THE NEXT LEVEL. WITH ITS BLEND OF POWER, PRECISION, AND EASE OF USE, IT STANDS READY TO TACKLE A DIVERSE RANGE OF APPLICATIONS.

> > Plus

KEY FEATURES:

Vacuum table with 6 zones, ensuring secure and efficient clamping of materials.

Spacious work area of approximately

- 4 x 8 x 1 ft (Star Plus 48), 5 x 10 x 1 ft (Star Plus 510), 6 x 12 x 1 ft (Star Plus 612), offering ample room for various projects.
- Equipped with an advanced controller system for easy and precise operation.

Powerful air-cooled spindle,

- approximately 5 HP, with ER25 collet, capable of reaching up to 18,000 RPM.
- Efficient inverter, approximately 5 HP, for effective power management.
- High-performance stepper motor and 🗹 driver system, ensuring smooth and accurate movements.
- High-quality reducer for enhanced precision and reliability.

Precise motion system with a helical rack 🗹 and ball screw on the Z-axis for increased accuracy.

- Durable square rails for stable and \square precise movements.
- Auto lubrication system for reduced maintenance and extended machine life.

Two sets of vacuum blower pumps,

- 🔀 approximately 3 HP each, for firm and even clamping of materials.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

CNC Routers

Products catalog

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STAR PRO X 48/510/612 CNC Router Machine

The Star PRO X | 48/510/612 CNC Router Machine is a high-performance solution that offers superb versatility with its robust design, advanced features, and premium components. Designed for precision and reliability, this CNC router is an excellent choice for workshops aiming to enhance productivity and consistently achieve exceptional results.

THE CNC ROUTER IS DESIGNED TO MEET THE NEEDS OF ANY DEMANDING WORKSHOP ENVIRONMENT, OFFERING A BALANCE OF POWER, PRECISION, AND USER-FRIENDLY OPERATION. ADDITIONALLY, IT FEATURES TOOL CHANGE CAPABILITIES ON THE X-AXIS.

式 KEY FEATURES:

Vacuum table with 6 zones, providing secure and efficient material clamping.

- Spacious work area of approximately 4 x 8 X 1 ft (Star PRO X 48), 5 x 10 x 1 ft (Star PRO X 10) of the second states of the second stat
- 510), 6 x 12 x 1 ft (Star PRO X 612), offering ample room for various projects.
- An advanced controller system for easy and precise operation.
- Powerful spindle, approximately 12 HP, with tool holder for quick tool changes.
- Efficient inverter, approximately 15 HP, for effective power management.
- High-performance AC servo motor with brake on the Z-axis for added safety.
- High-quality reducer for smooth and accurate operation.
- Linear tool magazine with 8 tools for efficient tool storage and access.
- Durable square rails for smooth and precise movements.
- Helical rack and ball screw on the Z-axis for enhanced accuracy.
- Five sets of pop-up pins for precise material alignment.

Four sets of vacuum blower pumps, approximately 3 HP each, for firm and even material clamping.

- Auto lubrication for hassle-free maintenance.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.







STAR PRO 48/510/612 CNC Router Machine

The Star PRO | 48/510/612 CNC Router Machine is a high-performance solution that offers superb versatility with its robust design, advanced features, and premium components. Designed for precision and reliability, this CNC router is an excellent choice for workshops aiming to enhance productivity and consistently achieve exceptional results.

> THIS CNC ROUTER IS DESIGNED TO MEET THE NEEDS OF ANY DEMANDING WORKSHOP ENVIRONMENT, OFFERING A BALANCE OF POWER, PRECISION, AND USER-FRIENDLY OPERATION.

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关 KEY FEATURES:

Vacuum table with 6 zones, providing secure and efficient material clamping.

Spacious work area of approximately 4 x 8 X 1 ft (Star PRO 48), 5 x 10 x 1 ft (Star PRO 510), 6 x 12 x 1 ft (Star PRO 612), offering ample room for various projects.

- An advanced controller system for easy and precise operation.
- Powerful spindle, approximately 12 HP, with tool holder for quick tool changes.
- Efficient inverter, approximately 15 HP, for reflective power management.
- High-performance AC servo motor with brake on the Z-axis for added safety.
- High-quality reducer for smooth and accurate operation.
- Linear tool magazine with 8 tools for efficient tool storage and access.
- Durable square rails for smooth and precise movements.
- Helical rack and ball screw on the Z-axis for enhanced accuracy.
- Five sets of pop-up pins for precise material alignment.
- Four sets of vacuum blower pumps, approximately 3 HP each, for firm and even
- material clamping.
- Auto lubrication for hassle-free maintenance.

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Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.



STAR SA 410 CNC ROUTER Machine

The Star SA 410 CNC Router Machine brings advanced features and high-performance capabilities to your workshop, providing precision and efficiency for a wide array of applications. With its sturdy construction and potent components, this CNC router is designed to deliver consistent results while ensuring a seamless, user-friendly operation.

> THIS CNC ROUTER IS DESIGNED TO MEET THE NEEDS OF ANY DEMANDING WORKSHOP ENVIRONMENT, OFFERING A BALANCE OF POWER, PRECISION, AND USER-FRIENDLY OPERATION.

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🔾 KEY FEATURES:

- Vacuum table with 6 zones, offering versatile and secure workpiece clamping.
- Spacious work area of approximately 4 x 10 x 1 feet (48 x 120 x 12 inches), providing ample room for various projects.

Comes with an advanced controller

system and holder for easy access and control.

Powerful spindle, approximately 12 HP, with tool holder and push-button for quick tool changes.

Efficient inverter, approximately 15 HP, ensuring reliable power management.

High-performance servo motor and driver

- system for smooth and precise movements.
- High-quality reducer for reliable and accurate motion control.

Precise motion system featuring a helical

- rack and ball screw on the Z-axis for enhanced accuracy.
- Durable square rails for stable and precise motion.
- Hidden pop-up pins (5 sets) for easy alignment and positioning.
- Air plug on the machine for convenient tool and accessory connections.
- Full closed drag chain for safe and organized cable management.

Secondary dust removal system with push

- function for a cleaner work environment.
- 8 tool holders included for versatile machining capabilities.

Four sets of vacuum blower pumps,

- approximately 3 HP each, for efficient workpiece holding.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

CNC Routers **10.**

GTS PRO 612 CNC ROUTER Machine

The GTS Pro 612 CNC Router Machine is a high-performance, all-in-one cutting solution designed for businesses requiring both precision and versatility. This powerful CNC router incorporates a range of advanced features and high-quality components, ensuring outstanding performance and superior cutting quality. It's the perfect choice for workshops aiming to enhance productivity and streamline their operations.

THIS CNC ROUTER COMES WITH STANDARD SPARE PARTS, ENSURING YOU HAVE EVERYTHING YOU NEED TO GET STARTED. ITS DESIGN AIMS TO MEET THE NEEDS OF ANY DEMANDING WORKSHOP ENVIRONMENT, OFFERING A BALANCE OF POWER, PRECISION, AND EASE OF USE.

🕺 KEY FEATURES:

- Vacuum table with 6 zones for secure and efficient material clamping.
- 🗹 Large 6 x 12 x 1 ft (72 x 144 x 12 in.) working area.
- 🗹 Fanuc controller for reliable and precise control.
- 9kW air-cooled spindle with HSK tool holder and protective spindle cover.
- HSD 5+4 vertical drilling head for added versatility.
- 🗹 14 in. saw blade with 180° rotation capability.
- 11kW Delta inverter for efficient power management.
- 🗹 High-performance servo motors (850W x 2, 2HP x 2).
- 🗹 Shimpo reducer for smooth operation.
- Linear 12-tool magazine under the gantry for efficient tool storage and access.
- Secondary dust removal system on the back for a cleaner workspace.
- Auto lubrication for easy maintenance and extended machine life.
- 59 in. helical rack and pinion transmission on X and Y axes.
- 🗹 Ball screw for precise Z-axis movement.
- Japan Pantoscopic 30/25/25 rails for smooth and accurate operation.
- Automatic tool sensor for easy tool calibration.
- Two 11kW JQT dry vacuum pumps for firm and even material clamping.
- 8 sets of pop-up pins for accurate material alignment.
- Convenient air plugs on the control cabinet and machine.
- Fully enclosed drag chain for protection and durability.
- Automatic loading and unloading system for increased efficiency.
- Pneumatic dust shoe for effective dust collection.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.
- Standard spare parts included with the machine.

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GTSPRO 612

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CNC Routers Products catalog

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STAR PRECISION 44/84 5-AXIS CNC ROUTER

The Star Precision 44/84 5-Axis CNC Router is a powerhouse of efficiency and precision, designed to meet the demands of diverse industries. Its cutting-edge technology, robust structure, and reliable performance make it a valuable asset for workshops seeking exceptional results in 3D curved surface processing and beyond. Unlock your creative potential and optimize production with the Star Precision 44/84 CNC Router.



THE STAR PRECISION 44/84 5-AXIS CNC ROUTER OFFERS EXCEPTIONAL VERSATILITY AND PRECISION IN TWO SIZE OPTIONS: 4 FT X 4 FT X 2 FT / 8 FT X 4 FT X 2 FT. WITH ITS INNOVATIVE DESIGN AND TOP-NOTCH COMPONENTS, THIS CNC ROUTER IS ENGINEERED TO HANDLE A WIDE RANGE OF TASKS, INCLUDING INTRICATE 3D CURVED SURFACE PROCESSING.

🕺 KEY SPECIFICATIONS:

Working Area: 4 ft x 4 ft x 2 ft / 8 ft x 4 ft x 2 ft.

A/C Axis Rotation: The A/C axis provides an impressive 220° range, enabling complex multi-angle machining with ease.

- Spindle Motor Power: Equipped with a high-performance 10/13/16 HP spindle motor, the Star Precision 44 / 84 delivers precise cuts and smooth engravings for various materials.
- Transmission: The X-axis employs a helical rack and pinion mechanism, while the Y and Z axes are driven by ball screws, ensuring reliable and accurate motion control.
- Travelling Speed: Reach your destinations swiftly with a rapid 197 ft per minute (FPM) on the X and Y axes, and 98 FPM on the Z axis.
- Working Speed: Maintain optimal machining quality at a working speed of 66 FPM.
- Tool Magazine: The Star Precision 44 / 84 is equipped with a Carousel 8-tool magazine, allowing for quick tool changes and supporting efficient machining of complex jobs that require multiple tools simultaneously.
- Driving System: The Star Precision 44 / 84 is powered by an Advanced Technology 13 HP AC servo motor, providing superior performance, precision, and reliability.
- Controller: Choose from either the OSAI or Siemens controller, both renowned for their intuitive interfaces and advanced features. Benefit from the Tool Center Point Management (TCPM) function, ideal for accurate 3D curved surface processing.

🕻 FEATURES:

1. Fixed Gantry with Moving-Table Design: The Star Precision 44 / 84 's robust fixed gantry and moving-table structure ensure exceptional stability during operation, minimizing vibrations and conserving power consumption.

2. Premium Components: This CNC router is built with world-class components, guaranteeing long-lasting performance and reliability. The detailed maintenance manual, field installation support, and 24-hour online technical assistance ensure maximum machine efficiency.

3. Superior 5-Axis Spindle and Controller: The Star Precision 44 / 84 leverages an Advanced Technology 5-axis spindle and OSAI 5-axis controller, delivering outstanding machining precision for intricate and complex workpieces.

4. Increased Productivity with Carousel Tool Magazine: The carousel tool magazine enables seamless switching between tools, streamlining production and expanding possibilities for intricate machining tasks.



STAR **COMPACT 23**

The Star Compact 23 CNC router machine is equipped with an aluminum T-slot table and a water-cooled 4 HP spindle. It also features an advanced technology controller and a 5 HP inverter. Its compact design and advanced features make it an excellent choice for a wide variety of applications.



MAIN FEATURES

High-quality components ensure prolonged machine operation.

- Water cooling system to maintain the spindle at an optimal temperature during work.
- Oil spraying device for lubricating moving parts and extending their lifespan.
- Manual lubrication for easy and quick maintenance.

SPECIFICATIONS

Approximate table size: 2 ft wide x 3 ft long. Ample space for working with medium-sized pieces.

- Spindle motor power: 4 HP. Sufficient power for precise cuts and detailed engravings.
- Transmission: 1 in. diameter on the X and Z axes with brake, and 1 in. diameter on the Y axis. Smooth and precise movement on all axes.
- Advanced driving system with stepper motor and drive. Ensures smooth and accurate movement during work.
- Controller for precise and reliable control over all aspects of the work.
- Working voltage: AC 220V 1Ph 50Hz. A reliable and stable power source for optimal machine operation.

COMPACT

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FEATURES, THIS MACHINE OFFERS PRECISE AND RELIABLE RESULTS.

MILLING MACHINING CENTER

The MillingPro 251 is a 5-axis milling machining center. It offers high strength with stress relief treatment and milling processing. With a working size of approximately 25 ft in length, 1 ft in width, and 1 ft in height, along with photoelectric protection, this machine delivers exceptional performance and precision across a wide range of applications.



Manual Lubrication





- Spindle: 5-axis B/C head ±320°/±135°B/C with servo motor with RTCP and saw blades for woodwork, allowing precise cuts and engravings on a wide variety of materials.
- System: Advanced controller for reliable and precise management of the machining process.
- Motor: Servo motor (approximately 2HP x 2 + 2 HP x 2), Z-axis with brake and reducer for smooth and precise movements.
- 🗹 Guide: For a stable and accurate motion.
- Gear and ball screw: For improved motion control.
- Inverter (approximately 25 HP): For reliable energy management.
- Table: 4 sets of fixed pneumatic clamps with positioning and pneumatic brake for secure and efficient clamping of workpieces.
- Lubrication: Automatic lubrication and automatic oil separation for convenient maintenance.
- Gas source: Air booster pump and cylinder for a reliable supply of compressed air.
- Electricity: Electrical device, proximity switch, oil and water separator, and pressure regulator valve for safe and reliable operation.
- Cable: Shielded flexible cable for reliable signal transmission.
- Software for 3D 3Axis advanced solid wood router: For easy and precise programming of the machining process.

THE MILLINGPRO 251 MILLING MACHINING CENTER IS DESIGNED TO PROVIDE EXCEPTIONAL MILLING AND ENGRAVING QUALITY ACROSS A WIDE VARIETY OF APPLICATIONS. WITH ITS COMBINATION OF HIGH-QUALITY COMPONENTS AND ADVANCED FEATURES, THIS MACHINE DELIVERS PRECISE AND RELIABLE RESULTS.

MillingPro 251

Control system

12 disk tool

magazine

Fixed clamps



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STAR POWERSLIM 23 CNC ROUTER MACHINE

The CNC Router Star PowerSlim 23 is an intelligent machine with a higher-power spindle for faster cutting or engraving on acrylic, copper, small MDF wood, or aluminum. All electrical parts of the machine undergo rigorous inspection during production, and there's no need to worry about limited workspace, as this machine's size is intelligently designed.

THE CNC ROUTER STAR POWERSLIM 23 IS DESIGNED TO DELIVER EXCEPTIONAL QUALITY IN A 2 FT X 3 FT WORKSPACE. WITH ITS COMBINATION OF HIGH-QUALITY COMPONENTS AND ADVANCED FEATURES, THIS MACHINE PROVIDES ACCURATE AND RELIABLE RESULTS FOR A VARIETY OF APPLICATIONS.

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High-quality components ensure long-term machine operation.

The manual lubrication system guarantees convenient maintenance.

The controller allows for easy access and control.

SPECIFICATIONS AND CUSTOMER BENEFITS

- Table Size: 2 ft x 3 ft x 1 ft. Allows working with medium-sized pieces.
- Spindle Motor Power: 5 HP. Provides precise cuts and engravings.
- Transmission: Helical gears, 2510 in Z. Ensures higher accuracy in movement. Travel Speed: 98 ft/min.
- Working Speed: 33 ft/min.
- Advanced drive system. Provides smooth and precise movements.
- State-of-the-art controller. Allows easy access and control.
- Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

ELITEPRO 510 nn cnc

The ElitePro 510 Wood CNC Router is designed to deliver exceptional milling and engraving quality in a working area of 5 ft x 10 ft x 1 ft. With its combination of high-quality components and advanced features, this machine provides accurate and reliable results for a variety of applications in the woodworking industry.





Auto Lubrication



THE ELITEPRO 510 WOOD CNC ROUTER OFFERS EXCEPTIONAL PERFORMANCE AND PRECISION IN A WORKING AREA OF APPROXIMATELY 5 FT X 10 FT X 1 FT. WITH A BUILT-IN VACUUM TABLE, THIS ROUTER **PROVIDES SECURE CLAMPING OF** WORKPIECES DURING THE ENGRAVING AND CUTTING PROCESS.

Air-cooling spindle



Dry type vacuum pump



Sample

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KEY FEATURES

- V Powerful 12 HP motor for precise cuts and engravings.
- 15 HP inverter for reliable power management.
- 🟹 1 HP servo motor and driver on the Z-axis with brake for smooth and accurate movements.
- Reducer for improved motion control.
- Linear tool magazine with capacity for 12 tools under the gantry for quick tool changes.
- High-quality square rails for stable and precise motion.
- Helical rack and ball screw on the Z-axis for enhanced accuracy.
- Pop-up pins (5 sets) for easy alignment and positioning.
- Automatic lubrication system for convenient maintenance.
- 15 HP vacuum pump for efficient workpiece clamping.
- Independent control cabinet for easy access and control.

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Working voltage: 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

> **CNC Routers** Products catalog

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GTSPRO 369/ 510 CNC ROUTER Machine

The GtsPro 369/510 CNC Router Machine represents the zenith of precision and advanced technology in modern manufacturing environments. Tailored for professionals seeking unmatched efficiency and accuracy, this machine offers an array of top-tier features designed to meet the rigorous demands of high-end production settings.



KEY FEATURES

Vacuum Table: Features a robust 6+2 zone

substantial work area of approximately (4 x

ensuring comprehensive control and ease

spindle, offering superior cutting, engraving, and milling capabilities with remarkable

type drilling head, allowing for intricate and

vacuum table, providing a secure and versatile clamping surface across a

Control System: Equipped with a high-end controller, featuring a 19-inch LCD monitor, keyboard, mouse, and an MPG handwheel,

Spindle: Premium 12HP ATC air-cooled

Drilling Unit: Incorporates a 5+4 vertical

efficient drilling operations.

10 x 1 pies) and (5 x 10 x 1 feet).

of use.

precision.

Linear 12-tool magazine







THE GTSPRO 369/510 CNC ROUTER MACHINE IS AN EMBODIMENT OF CUTTING-EDGE ENGINEERING, SET TO BE AN INDISPENSABLE ASSET IN ACHIEVING EXCEPTIONAL PRODUCTION QUALITY AND EFFICIENCY.

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Transmission: Helical rack gears on XY axis and precision ball screw on Z axis, ensuring accurate and stable motion control.

GTSPRO 369

- Rails: High-quality rails, providing exceptional stability and precision in machine movements.
- Tool Sensor: Automatic tool sensor, simplifying the process of tool calibration and ensuring consistent
- 🗹 Vacuum Pump: Two high-performance 10 HP dry type vacuum pumps, offering robust and consistent material clamping during machining
- Pop-up Pins: 8 sets of pop-up pins, ensuring precise material positioning and alignment.
- Protection: Features a Big Shield, enhancing operational safety and machine durability.
- Voltage: 240V Single Phase 60Hz and 240V Three Phase 60Hz, catering to standard power supply needs for uninterrupted operation.
- Spare Parts: Comes with standard spare parts, ensuring immediate readiness for a wide range of





STAR PRO AG 48/510

The STAR PRO AG CNC Router Machine stands as a pillar of innovation and performance in the modern manufacturing landscape. Designed for precision and versatility, this machine is the preferred choice for businesses looking to revolutionize their production processes with cutting-edge technology and efficiency.



12HP ATC Spindle



High-Quality Servo Motor and Driver



High-Quality Square Rails of Approximately 1 Inch





High-Efficiency 15HP Inverter



High-Quality Reducer

Star PROAG 510



- Vacuum Table: Incorporates 6 zones, providing a solid and efficient clamping system across an expansive work area of approximately 5 x 10 x 1 feet or 4 x 8 x 1 feet.
- Control System: Equipped with a high-end control system, offering advanced operational capabilities for seamless and intuitive machine management.
- Spindle: High-performance ATC spindle, delivering unmatched precision and power for intricate cutting and carving tasks.
- Inverter: High-efficiency 15HP inverter, ensuring stable and efficient power control for optimal machine performance.
- Servo Motors: Equipped with 1HP AC servo motors, including a brake on the Z-axis for enhanced precision and control during complex operations.
- Drilling Unit: Features a high-efficiency drilling unit, delivering precise and efficient drilling capabilities.
- Tool Magazine: Linear tool magazine accommodating 8 tools, allowing for quick and convenient tool changes, enhancing productivity and workflow.
- Rails: High-quality square rails, ensuring smooth and precise machine movements.
- Transmission: Features a high-precision helical rack with a ball screw on the Z-axis, offering superior precision and stability in movements.
- Drag Chain: Full closed drag chain, protecting cables and hoses, ensuring a tidy and safe operation environment.
- Tool Sensor: Automatic tool sensor, facilitating easy and precise tool calibration for consistent cutting quality.

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STAR PRO AG 48/510





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🕺 KEY FEATURES

- Pop-up Pins: Includes 5 sets of pop-up pins, providing accurate material positioning and alignment.
- Dust Collector: Maintains a clean workspace by efficiently collecting dust and debris.
- Vacuum Pump: Two high-capacity vacuum pumps, ensuring a firm and consistent hold on materials during the machining process.

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- Lubrication: Automatic lubrication system, minimizing maintenance time and prolonging the lifespan of machine components.
- Voltage: 240V Single Phase 60Hz and 240V Three Phase 60Hz, catering to standard power supply needs for uninterrupted operation.

THE STAR PRO AG CNC ROUTER MACHINE IS A TESTAMENT TO ADVANCED ENGINEERING AND DESIGN, PROMISING TO BE A VALUABLE ASSET FOR ANY WORKSHOP FOCUSED ON PRECISION, EFFICIENCY, AND CUTTING-EDGE TECHNOLOGY.

Star ProAG



STAR ROTARY 410 /510 CNC ROUTER MACHINE WITH SWING HEAD

The Star Rotary 410/510 CNC Router Machine with Swing Head is an advanced and versatile manufacturing solution, designed to deliver exceptional precision and a wide range of machining capabilities. This four-axis machine is ideally suited for applications requiring complex cutting, engraving, and carving operations on a variety of materials.

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StarRotary 410

🕺 KEY FEATURES

- Vacuum Table: Equipped with a 6-zone vacuum table, providing effective and versatile material clamping over a spacious working area of approximately 5 x 10 x 1 feet or 4 x 10 x 1 feet.
- Control System: Advanced control system offering intuitive and efficient machining process management.
- Spindle: Powerful 12HP ATC spindle, capable of performing precise cutting and engraving operations at speeds up to 24000 RPM.
- Inverter: High-quality 15HP inverter, ensuring efficient and reliable power control.
- Servo Motors: High-performance 2HP AC servo motors for precise and controlled movements, complemented by a 1HP servo motor on the B axis.
- Reducer: High-precision reducer, enhancing machining reliability and accuracy.
- Tool Magazine: Linear tool magazine accommodating 8 tools, facilitating rapid and efficient tool changes.
- Rails: High-quality square rails, ensuring smooth and precise machine movements.
- Transmission: Helical rack and precision ball screw on the Z axis, providing exact and stable motion transmission.
- Pop-up Pins: 5 sets of pop-up pins for easy and precise material alignment.
- Lubrication System: Automatic lubrication system to keep the machine running smoothly and extend its lifespan.
- Tool Sensor: Automatic tool sensor, enabling quick and precise tool calibration, enhancing machining efficiency.

Vacuum Table



Powerful 12 HP ATC Spindle



High-Performance Servo Motor and Driver





High-Quality Square Rails



Fully Enclosed Drag Chain



Advanced Control System



Automatic Lubrication System



Tool Magazine



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🕺 KEY FEATURES

StarRotary 510

Vacuum Pump: Four 3HP vacuum blower pumps, providing exceptional material clamping.

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- Independent Control Cabinet: For efficient and safe machine operation management.
- Swing Head: 4-axis swing spindle capable of tilting ±90°, offering unparalleled flexibility for complex geometries and multi-angle machining.
- Voltage: 240V Single Phase 60Hz and 240V Three Phase 60Hz, catering to standard power supply needs for uninterrupted operation.

THE STAR ROTARY 410/510 CNC ROUTER MACHINE WITH SWING HEAD IS PERFECT FOR WORKSHOPS AND MANUFACTURERS LOOKING TO EXPAND THEIR PRODUCTION CAPABILITIES WITH CUTTING-EDGE TECHNOLOGY, OFFERING FLEXIBILITY IN MACHINING COMPLEX PARTS AND EFFICIENT OPERATION.

CNC Routers 22.

STARPRO 344 Router Machine

The StarPro 344 Router Machine is a state-of-the-art solution for precision machining, offering a blend of power, accuracy, and flexibility. Designed to cater to a wide range of materials, this machine is perfect for industries demanding high-quality cutting, engraving, and carving.

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Star Pro 344

🕺 KEY FEATURES

- Vacuum Table: Comes with a 4-zone vacuum table, ensuring stable and versatile material clamping over a work area of approximately 4 x 10 x 1 feet and 5 x 10 x 1 feet.
- Control System: Features a sophisticated control system for seamless and efficient operation.
- Spindle: Equipped with a high-performance 12 HP ATC spindle, providing excellent precision and power for high-speed machining.
- Inverter: Incorporates a robust 15 HP inverter, optimizing power management for consistent performance.
- Servo Motors: High-quality 1HP AC servo motors with a dedicated brake on the Z axis for precise motion control.
- Reducer: Utilizes a high-precision reducer, ensuring smooth and accurate mechanical movements.
- Tool Magazine: Houses a linear tool magazine under the gantry with capacity for 12 tools, enabling quick and easy tool changes.
- Rails: Fitted with premium square rails for unmatched stability and precision in movement.

Star Pro 344

Gold Star



Star Pro 344

Vacuum Table



High-Performance 12HP ATC Spindle



High-Quality 1HP AC Servo Motors and Driver











Automatic Lubrication System

Gold Star



Powerful 15HP Dry Type Vacuum Pump



Sophisticated Control System



Gold Star

🕻 KEY FEATURES

Star Pro 344

Transmission: Features a 5 feet helical rack and a precision ball screw on the Z axis for superior motion accuracy.

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Tool Sensor: An automatic tool sensor for efficient and precise tool calibration.

Star PRO 344

- Vacuum Pump: Includes a powerful 15 HP dry type vacuum pump, ensuring strong material hold during operation.
- Pop-up Pins: Hidden pop-up pins with 5 sets for accurate material placement and alignment.
- Air Plug: An air plug on the machine facilitates easy connection to pneumatic tools.
- Drag Chain: A fully enclosed drag chain protects wiring and hoses, enhancing safety and durability.
- Lubrication: An automatic lubrication system reduces maintenance needs and extends machine life.
- Control Cabinet: An independent control cabinet for organized and safe operation management.
- Voltage: 240V Single Phase 60Hz and 240V Three Phase 60Hz, catering to standard power supply needs for uninterrupted operation.

CNC Routers 24.

THE STARPRO 344 ROUTER MACHINE STANDS OUT FOR ITS ADVANCED FEATURES AND ROBUST CONSTRUCTION, MAKING IT AN INVALUABLE ASSET FOR ACHIEVING PRECISION AND EFFICIENCY IN MODERN MANUFACTURING SETUPS.

STARPRO MAX 410/510 Router Machine

The STARPRO MAX 410/510 Router Machine exemplifies innovation and precision, tailored for modern manufacturing needs. This machine is a stellar choice for businesses seeking to elevate their production quality with a blend of advanced features and high performance.

Star ProMax 410

式 KEY FEATURES

- Vacuum Table: Equipped with a 6-zone vacuum table, ensuring secure and efficient material clamping over a spacious work area of approximately 4 x 10 x 1 feet and 5 x 10 x 1 feet.
- Control System: Features a state-of-the-art control system, providing intuitive and comprehensive control for intricate operations.
- Spindle: High-quality 12HP ATC spindle, delivering powerful and precise cutting capabilities.
- Drilling Unit: Incorporates a 5+4 drilling unit, offering versatile and efficient drilling performance.
- Inverter: Robust 11kw inverter, ensuring optimal power management and machine performance.
- Servo Motors: High-performance 1HP AC servo motors with a brake on the Z-axis, offering precise and controlled movements.
- Reducer: High-quality reducer, enhancing the machine's operational precision and reliability.
- Tool Magazine: Linear tool magazine accommodating 8 tools, for efficient tool changes and workflow enhancement.

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Star ProMAX 410



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Vacuum Table



5+4 Drilling Unit



Robust 15HP Inverter



High-quality reducer



Automatic Tool Sensor



High-performance 15HP Dry Type Vacuum Pump



Gold Star

High-quality 12HP ATC Spindle



High-performance Servo Motor and Driver



Premium square rails



🕻 KEY FEATURES

Star ProMAX | 510

<u>Gold Star</u>

Star ProMax 510

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- Rails: Premium square rails, ensuring smooth and precise machine movements.
- Transmission: Features a 5 feet helical rack and precision ball screw on the Z-axis, providing superior motion control and accuracy.
- Drag Chain: Full closed drag chain, protecting cables and ensuring a tidy and safe operation environment.
 - Tool Sensor: Automatic tool sensor, enabling easy and accurate tool calibration for consistent cutting quality.
- Pop-up Pins: Includes 5 sets of pop-up pins, ensuring accurate material positioning and alignment.
- Protection: Equipped with a Big Shield, offering enhanced operational safety and machine durability.
- Vacuum Pump: Two high-performance 15HP dry type vacuum pumps, providing firm and consistent material clamping during machining.
- Lubrication: Automatic lubrication system, minimizing maintenance and extending the machine's life.
- Voltage: 240 Single Phase 60Hz and 240V Three Phase 60Hz, catering to standard power supply needs for uninterrupted operation.

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THE STARPRO MAX 410/510 ROUTER MACHINE, WITH ITS COMPREHENSIVE ARRAY OF FEATURES, IS DESIGNED TO DELIVER UNPARALLELED PRECISION, EFFICIENCY, AND VERSATILITY, MAKING IT AN INVALUABLE ASSET IN ANY ADVANCED MANUFACTURING SETUP.



ALPHA 528 Aluminum Profile Processing Machine

The ALPHA 528 Aluminum Profile Processing Machine is engineered for precision and efficiency in aluminum profile machining. Its robust construction and advanced features ensure optimal performance for detailed and complex aluminum processing tasks.

> THE ALPHA 528 ALUMINUM PROFILE PROCESSING MACHINE IS IDEAL FOR BUSINESSES LOOKING TO EXPAND THEIR PRODUCTION CAPABILITIES WITH ADVANCED TECHNOLOGY, OFFERING FLEXIBILITY IN MACHINING COMPLEX PARTS AND EFFICIENT OPERATION.

Gold Star

式 KEY FEATURES

Pneumatic Clamps: Equipped with 4 sets of pneumatic clamps to securely fix materials during operation.

Work Area: Provides a generous work area of approximately 4 x 8 x 1 feet, suitable for a variety of aluminum profile sizes.

- Control System: Features an advanced control system, enabling precise and efficient operation.
- Spindle: Includes a high-power air-cooling spindle, ideal for high-speed precision machining.
- Inverter: Equipped with a power-efficient inverter for effective energy management.
- Servo Motors: Uses high-performance servo
- motors for precise and controlled movements.
- Reducer: Features a high-precision reducer to enhance mechanical precision and performance.
- Turn Table: Incorporates a turn table for versatile machining angles and increased processing flexibility.
- Tool Change System: Offers a hidden linear auto tool change system with 8 slots, optimizing tool change times and efficiency.



Pneumatic Clamps



Power-Efficient Inverter



High-Performance Servo Motors



Turn Table













High-Precision Reducer



FV FFATURES

- Rails: Mounted on precision square rails to ensure stability and smooth motion.
- Transmission: Employs a helical rack and ball screw combination for precise and reliable linear movement.
- Oil Mist System: Includes a system for cooling and lubricating the cutting area, improving tool lifespan and workpiece quality.
- Auto Lubrication: Features an automatic lubrication $\mathbf{\nabla}$ system to reduce maintenance and extend machine durability.
- Machine Structure: The heavy-duty machine structure is designed to absorb vibration and provide a stable foundation for precision machining.
- Tool Sensor: An automatic tool sensor facilitates \square efficient and accurate tool calibration.
- Voltage: 240V Single Phase 60Hz and 240V Three Phase $\mathbf{\nabla}$ 60Hz, catering to standard power supply needs for uninterrupted operation.

Advanced

Control System Gold Star **High-Power** 6 X D Air-Cooling Spindle Gold Star **CNC Routers**



ALPHA 432 CNC ROUTER Machine

The Alpha 432 CNC Router Machine offers enhanced performance and precision, making it the ideal choice for workshops looking to boost productivity and achieve consistently high-quality results. Equipped with advanced features, this CNC router is designed to tackle even the most demanding projects.

Alpha |432

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🕺 KEY FEATURES

The Alpha 432 CNC Router Machine enhances your workshop's performance and precision. This advanced solution is perfect for those seeking to increase productivity and consistently achieve high-quality outcomes. Loaded with top-tier features and components, this machine is engineered to meet the demands of the most challenging projects.

Vacuum table with 6 zones, ensuring secure and efficient clamping of materials.

Spacious working area, approximately 4.9 x 9.8 feet (59 x 118 inches), providing ample space for a variety of projects.

- Advanced controller for easy and precise operation.
- Powerful air-cooled spindle, approximately 12 HP, capable of reaching up to 18,000 RPM.
- Efficient inverter, approximately 15 HP, for effective power management.
- Servo motor and driver system, ensuring smooth and precise movements.

Alpha | 432

High-quality reducer for improved precision and reliability.

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HQD 12HP ATC spindle



Syntec 60CA control system

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Leadshine servo motor and driver



Japan Shimpo reducer



HIWIN 1 in square rails





KEY FEATURES

Precise motion system with a helical rack and ball screw on the Z-axis, for greater accuracy.

Alpha 432

- Robust square rails for stable and precise movements.
- Automatic lubrication system, for reduced maintenance and extended machine life.
- Two sets of vacuum pumps, approximately 4 HP each, for firm and uniform clamping of materials.
- Working voltage: 230V Single Phase 60Hz.

THE ALPHA 432 CNC ROUTER IS AN EXCELLENT CHOICE FOR THOSE LOOKING TO ENHANCE THEIR WORKSHOP CAPABILITIES. WITH ITS COMBINATION OF POWER, PRECISION, AND EASE OF USE, IT IS READY TO HANDLE A WIDE RANGE OF APPLICATIONS.

Alpha 432

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CNC Routers 30.

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'HUNDER CNC ROUTER MACHINE

The CNC Router THUNDER is the perfect tool for workshops seeking not only efficiency but also the ability to operate with great precision. With its innovative design, every project becomes an opportunity to stand out in the market due to its excellent performance and reliability.



Product image

KEY FEATURES

- Vacuum table with 6 zones, ensuring efficient and secure material hold.
- Work area of approximately 5 x 10 x 1 feet, providing ample space for a wide variety of projects.
- Modern control system, for intuitive and precise operation.
- 12 HP ATC HQD spindle, with a capacity of up to 24,000 RPM and compatibility with ISO-ER32 for quick tool changes.
- 15 HP inverter, ensuring efficient energy management.
- 1 HP AC servo motor on the Z axis, equipped with a brake for added safety.
- High-tech reducer, ensuring smooth and precise operation.
- Linear tool magazine for 8 tools, facilitating efficient access and storage.
- Square rails of 1.0 x 1.0 x 1.0 inches, allowing for smooth and precise movements.
- Durable 5-foot helical gear and high-durability ball screw on the Z axis, for greater cutting precision.
- Fully enclosed drag chain, protecting internal components.













🕺 KEY FEATURES

- Automatic tool sensor, for quick and precise setup.
- Five sets of pop-up pins, ensuring exact material alignment.
- Four 3 HP vacuum blower pumps, guaranteeing a firm and uniform hold on the material.
- Automatic lubrication, for hassle-free maintenance.
- Operating voltage: 240V Single-phase 60Hz and 240V Three-phase 60Hz.
- The CNC Router THUNDER is designed to meet the demands of any demanding workshop, offering an exceptional balance of power, precision, and ease of operation.



EQUIPPED WITH CUTTING-EDGE TECHNOLOGY, THE CNC ROUTER THUNDER TRANSFORMS THE WORK EXPERIENCE. EVERY FEATURE HAS BEEN DESIGNED WITH THE USER IN MIND, ENSURING EXCEPTIONAL PERFORMANCE AND RESULTS THAT EXCEED EXPECTATIONS.









