

Manufacturing Solutions Elevate Your Manufacturing Operations



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2006
SINCE

MAKING DIFFERENCE

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Ultimate Solutions

Company Overview

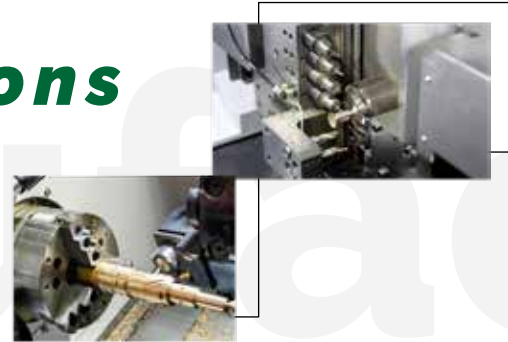
About us

Established in 2006 in Jeddah, Saudi Arabia, Ultimate Solutions expanded to UAE & Egypt over nearly two decades, solidifying its commitment to the region. Specializing in top-notch Digital Transformation and manufacturing solutions such as PLM, 3D scanners, 3D printers, robotic arms, CNC machines, and sheet metal machines, Partnering with the best solution providers in the world. Our mission is to empower the Middle East manufacturers with cutting-edge innovative solutions with comprehensive support guiding them to thrive in the competitive manufacturing landscape.



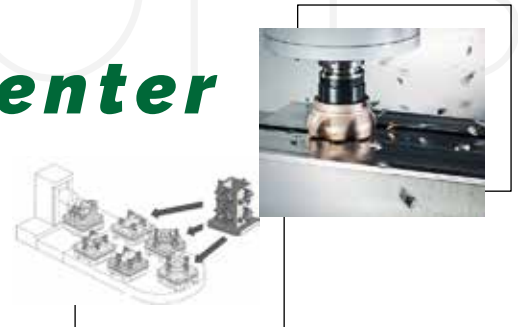
Turning Solutions

*CNC Turning
Swiss Turning
Vertical Turning*



Machining Center Solutions

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Grinding Solutions



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Material Cutting

circular saws



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Tube Processing Solutions

*Tube Bending
Tube laser cutting CNC*





- Origins: Taiwan - Germany
- Websites: yidacnc.com - annnyang.com - spinner.eu.com

CNC Turning



Description

CNC fixed head turning machines are precision machining tools used to shape cylindrical workpieces by removing material from the workpiece to create the desired shape. The CNC system precisely controls the movement of the cutting tool along multiple axes, allowing for complex geometries and tight tolerances to be achieved with high precision, repeatability, and efficiency, leading to reduced production times and costs. CNC turning machines are versatile and can handle a wide range of materials, including metals, plastics, and composites.

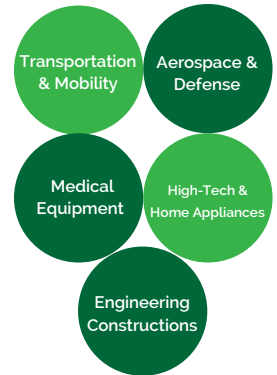
Samples of products



Unique Points

- Large Diameter range from 70 mm to 2000 mm and up to 12000 mm long
- Multiple axes up to 12 axes
- Variety of structures [Box or linear] and design [Gang or turret or tower]
- Wide range of optional accessories and CNC controller selection

Industries





- Origins: Taiwan
- Websites: honorseiki.com - jinnfa.com

Swiss Type Turning



Description

CNC Swiss-type machines, also known as Swiss-style lathes or Swiss-turning centers, are specialized precision machining tools renowned for their ability to produce highly intricate and small parts with exceptional accuracy and efficiency. Characterized by their unique sliding headstock design, CNC Swiss-type machines hold the workpiece firmly while a series of cutting tools, often including live tooling, approach it from various angles. This simultaneous machining capability allows for complex geometries and features to be machined in a single operation, reducing cycle times and increasing productivity.

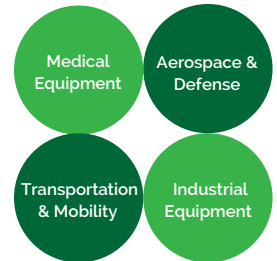
Samples of products



Unique Points

- Equipped with Multiple axes starting from 2 Axes Up to 9 Axes simultaneously including B axis
- Range of maximum diameters from 12.7 mm to 51 mm up to 300 mm long in the same setup
- Relabel solution that maintain the accuracy for over than 18 years
- Wide range of Special accessories [Thread whirling, polygon milling, broaching and Saw blades]

Industries





- Origin: Taiwan
- Website: honorseiki.com

CNC Vertical Turning



Description

CNC vertical turning centers, also known as vertical lathes or vertical turning lathes (VTLs), are powerful machining tools designed for the high-precision turning of large, heavy workpieces. Unlike traditional horizontal lathes, vertical turning centers have a vertical orientation, with the workpiece held in a vertical position that allows for efficient chip removal and gravitational assistance in securing heavy workpieces, Large Swing Diameter, Single Setup Machining, Heavy-Duty Construction. CNC vertical turning centers can perform turning, milling, drilling, and other operations in a single setup. This reduces the need for multiple machines and setups, streamlining the manufacturing process and improving accuracy.

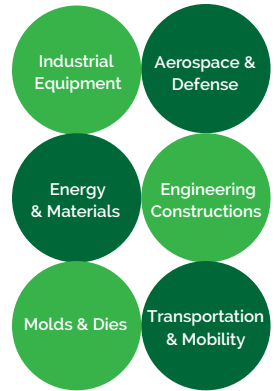
Samples of products



Unique Points

- Equipped with Multiple axes starting from 2 Axes Up to 4 Axes with milling operations.
- Range of diameters from 560 mm to 7,000 mm with 2,600 mm height
- Selected top-edge special accessories [Translating Pallet, Rotating Pallet, twin spindles turrets]

Industries





- Origins: Taiwan - Germany
- Websites: takumi.com.tw - dahlih.com.tw - yidacnc.com - spinner.eu.com

Vertical Machining Center



Description

CNC Vertical Machining Centers (VMCs) are versatile machine tools used in manufacturing and production facilities for a wide range of milling operations. They are distinguished by their vertical spindle orientation, where the cutting tool moves vertically downward to remove material from the workpiece mounted on the table allowing for efficient chip evacuation and gravity-assisted machining also VMCs often feature three, four, or five-axis configurations, allowing for complex machining operations and the production of intricate geometries with high precision Many VMCs are capable of high-speed machining (HSM), allowing for faster material removal rates and shorter cycle times while maintaining precision and surface finish quality.

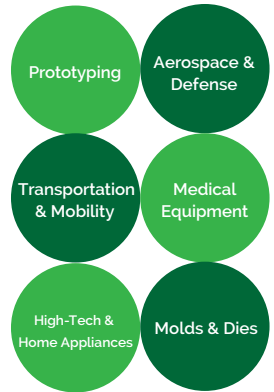
Samples of products



Unique Points

- Large working area range from 500 mm to 5200 mm in X travel and up to 22000 mm in Y
- Variable spindle speeds and type from 6000 Rpm gear to 36,000 rpm built in spindle
- Variety of structures [Box or linear] and design [C chassis or H chassis or Special like graphite]
- Wide range of optional accessories and CNC controller selection [Siamese, Fanuc, Heidenhain]

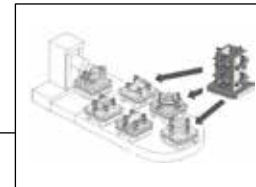
Industries





- Origins: Taiwan
- Websites: yidacnc.com - dahlih.com.tw - takumi.com.tw

Horizontal Machining Center



Description

CNC Horizontal Machining Centers (HMCs) are robust machine tools used for high-precision milling operations in manufacturing and production environments. Unlike vertical machining centers (VMCs), HMCs feature a horizontal spindle orientation, where the cutting tool moves horizontally along the X, Y, and Z axes to remove material from the workpiece. This configuration is particularly advantageous for heavy-duty machining and the production of large, complex parts. HMCs often feature four, or five-axis configurations. Multi-axis machining capabilities allow for simultaneous cutting operations from multiple angles, reducing cycle times and improving productivity using Pallet Changer that allow for the loading and unloading of workpieces while machining is in progress

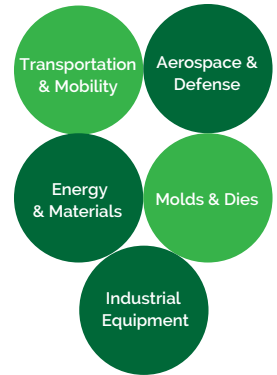
Samples of products



Unique Points

- Large Table size and load up to 2000 mm with 4000 kg in workpiece weight
- Selected special accessories [12 Pallet changer, adding turning capabilities , 120 ATC
- Variable spindle speeds and type from 6000 Rpm gear to 15,000 rpm built in spindle
- Wide range of optional accessories and CNC controller selection [Siamese, Fanuc, Heidenhain]

Industries





- Origin: Taiwan
- Website: palmary.com

CNC grinding machine



Description

A CNC grinding machine is a precision machining tool used for shaping and finishing metal or other materials through abrasive processes using Grinding Wheel. CNC grinding machines are designed to precisely grind and finish workpieces to meet specific geometric and surface finish requirements. CNC grinding machines offer high levels of accuracy and repeatability, making them ideal for producing components with tight tolerances also Can be used to grind a wide range of materials, including metals, ceramics, and composites.

Samples of products



Unique Points

- Wide range of grinding selection [Surface grinding, Centerless GRINDER, CYLINDRICAL and special purpose] with NC or CNC
- Top edge accuracy up to 0.0001 mm with sizes up to 3000 mm long and 45 M/s velocity for CYLINDRICAL grinder
- Cam Type CNC grinder for easily transfer from workpiece drawing to grinding program
- Providing turn-key customized grinding solution for critical workpieces

Industries





- Origin: Taiwan
- Website: soco.com.tw

Tube Bending



Description

CNC tube bending is a specialized machining process used to shape metal tubes into desired geometries and configurations with precision and accuracy. Unlike traditional manual bending methods, CNC tube bending utilizes computer numerical control (CNC) technology to automate the bending process, allowing for complex shapes and consistent results. CNC tube bending Suitable for bending tubes of various materials, sizes, and shapes to meet diverse application requirements.

Samples of products



Unique Points

- Equipped with Multiple axes starting from 1 Axes Up to 12 Axes to fit all the application required.
- Range of tube diameters from 8 mm to 168 mm
- Selected top-edge solutions for endless creativity [Connect to i2 Controls, Internet Remote Monitoring System, The Double Blades Shearing System]
- Full integration with automation cells

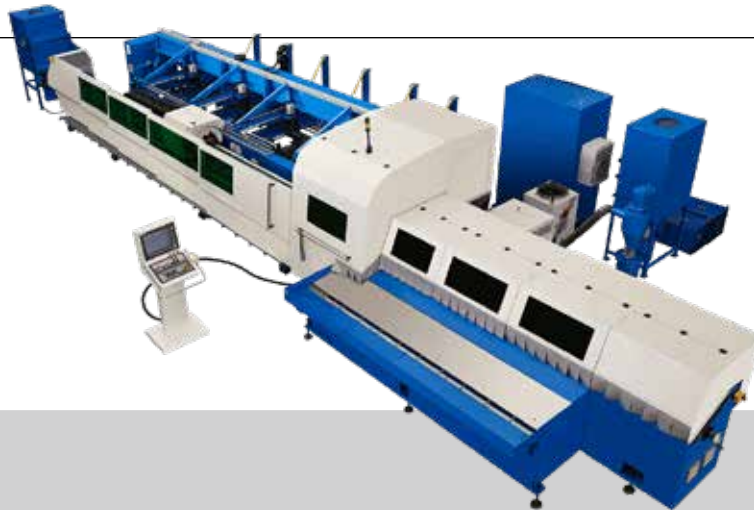
Industries





- Origin: Taiwan
- Website: soco.com.tw

Tube laser cutting CNC



Description

Tube laser cutting CNC machines are advanced machining tools designed to precisely cut and profile metal tubes and pipes using laser technology. These machines offer high accuracy, speed, and versatility, making them essential for various industries. Tube laser cutting CNC machines are used to cut complex shapes, patterns, and profiles on metal tubes and pipes with exceptional precision and efficiency. They are capable of handling a wide range of materials, including steel, aluminum, stainless steel, and copper. CNC Control System Manages the cutting process by interpreting part programs, controlling machine movements, and adjusting laser parameters such as power, speed, and focus. By Using The laser melts and vaporizes the material, creating clean, precise cuts with minimal heat-affected zones. Laser cutting is faster than traditional methods such as sawing or milling, resulting in higher productivity and shorter lead times.

Samples of products



Unique Points

- Equipped with Multiple axes Up to 10 Axes to fit all the application required.
- Range wall thickness up to 9 mm
- Selected top-edge accessories [3D CNC Controls, Automatic Bundle Loading System, The material Scanning + Automatic Compensation]
- Full integration with automation cells

Industries





- Origin: Taiwan
- Website: soco.com.tw

circular saws



Description

A solid bar circular saw, also known as a chop saw or cut-off saw, is a powerful and specialized tool used for making straight cuts through a variety of materials. The solid bar circular saw features a straight, thick blade that resembles a metal bar, hence its name. This type of saw is typically stationary and designed for heavy-duty cutting tasks. Solid bar circular saws are equipped with powerful motors capable of handling tough materials such as titanium with a built-in coolant system to prevent overheating. These saws are often mounted to a stable base or stand, providing precision and stability during cutting operations.

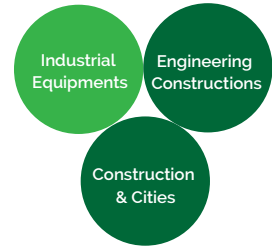
Samples of products



Unique Points

- 3 Electric Axis and Cutting Length from 3000 ~ 10mm
- Electric Servo Unloading System (CL) , Max. Cutting Length from 1000 mm to 3000 mm.
- Bundle Loading Magazine (MB6) Saving 70% Labor and 50% Material Changeover Time Saving with bundle capacity up to up to 3500 kg
- Range of cutting angles
- Selected top-edge accessories [3D CNC Controls, Automatic Bundle Loading System, The material Scanning + Automatic Compensation]
- Full integration with automation cells

Industries





- Origins: Japan - Korea - Germany - Taiwan
- Websites: kyoceraprecisiontools.com - startool.co.kr - kemmler-shop.de - songgia.com.tw
echaintool.com - stock.de - evermore-tools.com

Tools And Accessories



Turning Inserts and holders



Milling Tools



Machine's Accessories And Measurement Tools



Swiss Type Special Attachments



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