



RELIABLE. VALUE. INNOVATIVE.

ALUMINIUM | MACHINE TOOLS | SHEETMETAL



HASIL KARYA SDN BHD
(105695-V)

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2018 / 2019 PRODUCT CATALOGUE

ABOUT US



MOVING FORWARD TOGETHER

"Like a well-oiled machine, we need to keep evolving to meet market demand."

Hasil Karya is one of the leading industrial machinery and tools distributors in Malaysia.

Founded in 1983, Hasil Karya has always strived to provide our customers with a broad selection of high performance machine tools and reliable after sales service.

Hasil Karya imports over more than 10 global industrial machinery brands from over 8 countries. The diversity of our imported product range, in design and quality, has earned us the trust of customers and businesses looking to drive operational efficiency and maximize business profits.

Hasil Karya now seeks to grow stronger as a company and add more values to our customers. It is our vision that we can now build on the established success, and take the company to new and greater heights while maintaining our core values.

In the spirit of continuous improvement, we have changed the way we operate to meet the market's demand. In 2008, we achieved our ISO 9001 certification.

Our state-of-the-art product lines are chosen carefully and we also expand our team by recruiting more subject matter experts to provide excellent after-sales service to you.



> Aerospace



> Automotive



> Rail Transportation



> Construction Machinery



> Shipbuilding

ALUMINIUM

- Double Head Cutting Saw
- Composite Router
- Machine Center
- Notching Saw

MACHINE TOOLS

- Lathe • Milling • Sawing
- Drilling • Grinder

SHEETMETAL

- Iron Worker • Press Brake
- Shearing • Press Brake Tools
- Rolling • Profile Bending
- Hydraulic Press • Power Press
- Beveling • Laser (Fiber / CO2)
- Waterjet • Folding
- Turret Punch • Turret Punch Tools

WHY HASIL KARYA?



Efficient, Reliable
and Professional
after sales service



Comprehensive
range of original
parts inventory



Broad selection of
high performance
product lines



Demonstrate
integrity in all our
business conduct

INNOVATIVE TECHNOLOGY

ERMAKSAN is well known for productive and result oriented research & development activities as well as affordable high-tech products in fabricating industry. With 49 years of manufacturing experience ERMAKSAN continuously invests on latest technology and its human resources. With such a formidable reputation, we are very proud to have been distributing the Ermaksan brand since 2002.

By purchasing ERMAK machines, you will be investing on your future. With this decision we promise you to deliver the machine which will suit your needs and provide the best purchasing experience by means of price, delivery, quality, training and after-sales technical support. All these qualities can be found in the Lasermak CO2 laser cutting machine and the Power-Bend Pro Series CNC press brake.



PRO-BEND 1040

FIBERMAK

New Generation Fiber Laser



- **Durability** – Strong frame construction, world wide recognized brands and long life components are used in Lasermak to ensure the performance in every conditions
- **Low operating cost** – while the competition in the market is getting harder, low electricity and gas consumption will create big advantage and have quick return on investment.
- **Best machine best price** – Ermaksan reflects its mass manufacturing capability to its prices at your advantage while having a principle of maintaining highest level of quality, unique design and technology in its products.

FIBERMAK SL-G Force

Side Loading Fiber Laser



- **Space Optimization** – New design of side loading Fibermak SL is a right choice for workshops with limited spaces to fit in, without compromising from standards and quality of Fibermak Momentum Gen-3 G Force.
- **High Efficiency** – The productivity is increased average 15% per hour by higher acceleration of 2.5G on Servo Motorized Models by Momentum Gen-3 G Force version and consequently the speed and gaining in time is higher.



TANDEM

Solutions for heavy duty bends

Ermaksan heavy duty press brake machine

Bending power **300 ton ~ 3000 tons**
Bending length **6100mm ~ 32100mm**

Feature:

- Perfect configuration for heavy duty bending works.
- Exact result on deep and full-length bending.
- Constant accuracy with dynamic crowning system.
- Long-lasting heavy duty rigid structure.

POWER BEND

Combination of speed and power

Y1, Y2 and X axis

Bending power **35 ton ~ 2000 tons**
Bending length **1000mm ~ 8100mm**

Feature:

- Perfect configuration for sensitive bending and economic solutions.
- Precise results for long and deep bends.
- Continuous sensitivity with crowning system.
- Long lasting rigid body is also suitable for heavy duty applications.



SPEED BEND

Synchronized Hydraulic Press Brake

Up to 8 axis

Bending power **40 ton ~ 2000 tons**
Bending length **1000mm ~ 12000mm**

Feature:

- User friendly Delem DA-66T touch screen controller.
- High working speed with Y axis up to 200 mm/sec.
- High stroke and large daylight.
- CNC motorized crowning system.

SHEARING



HGS SERIES

Hydraulic swing beam shearing machine

Cutting capacity (45 kg/mm²) **6mm ~ 8mm**
Cutting length **2600mm ~ 4100mm**

Feature:

powered by CYBELEC NC touch controller.

HGD SERIES

Hydraulic swing beam shearing machine

Cutting capacity (45 kg/mm²) **6mm ~ 20mm**
Cutting length **3100mm ~ 6100mm**

Feature:

powered by CYBELEC NC touch controller.



Flow
FlowWaterjet.com
Waterjet Solutions

World Leader in Waterjet

Propel the global industries of today and tomorrow

Energy

Oil & Gas

Automotive

Technology

Aerospace

Architecture

Transportation

Medical

Electronics

Flow Mach Series

Customer driven design featuring Flow technology at every price point

As a complete system manufacturer, every part of your Flow waterjet is designed to work together to make your cutting operations better. Your needs drive our future-proof system design.

Flow waterjets come with various options, accessories, and technologies.



Mach 2b _ Flow Performance, Made Affordable.

The Mach 2 not only outperforms the standard waterjet offerings in the industry, but wins in value as well.

Sizes range from: 1.3 m x 1.3 m to 4 m x 2 m



Mach 300 _ Move Forward.

The Mach 300 is purpose-built to deliver reliable performance and dependability.

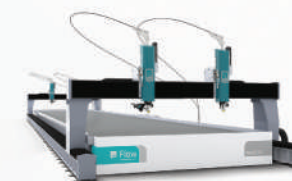
Sizes range from: 1.5 m x 2 m to 1.5 m x 3 m



Mach 500 _ Make More.

The Mach 500 is the workhorse of waterjet, elevating your performance and production levels.

Sizes range from: 2 m x 2 m to 4 m x 8 m



Mach 700 _ Think Big.

The Mach 700 is our dual bridge, large format waterjet that's not only big, but fast and accurate as well. Make a big, positive impact to your bottom line.

Sizes range from: 4 m x 8 m to 5 m x 24 m



NanoJet _ Be Precise.

The NanoJet is our highly accurate, small format waterjet machining center featuring a full enclosure for precise, clean, and quiet cutting.

Sizes range from: 1.2 m x 0.65 m

Flow is waterjet Say Yes to Process Improvements

Increase efficiency of your production process with the speed, edge finish, and accuracy of Flow waterjet. Better, faster cutting. From rough cuts to finely detailed finished parts.



Cut Any Material
From modern metals
to highly engineered
materials



Cold Cutting Process
No heat or stress when
cutting



Satin Smooth Edge
No secondary finishing
required

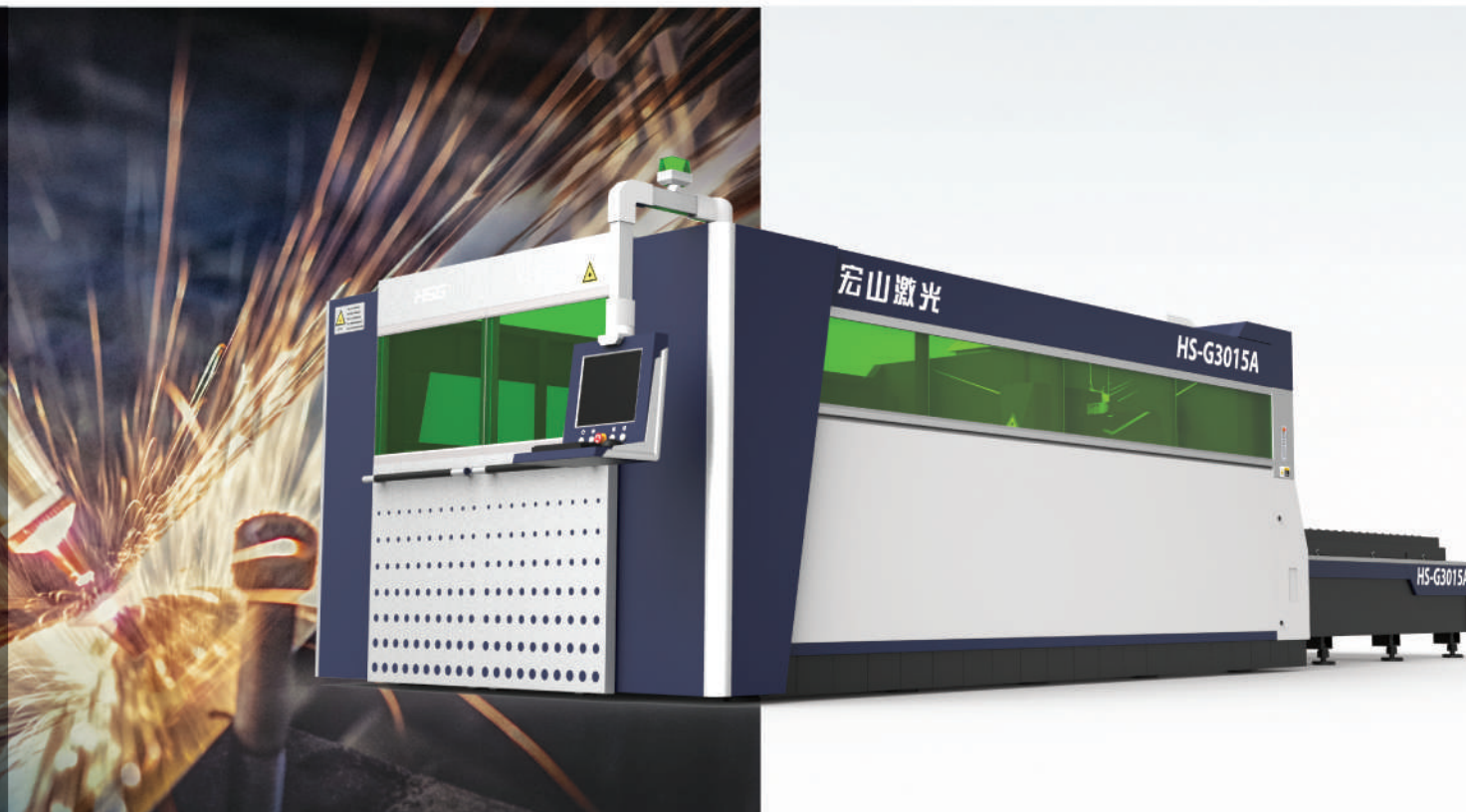


Minimal Kerf
Highly accurate, intricate
cutting



HSG LASER is a national high-tech enterprise who is dedicated to providing laser intelligent equipment solutions to customers all over the world. Since our establishment in 2006, HSG Laser has developed rapidly with three standardized intelligent equipment manufacturing bases covering an area more than 40,000 square meters. We focus on the field of laser intelligent equipment manufacturing with the concept of efficient, intelligent, environmental and compatible product development.

With professional, independent core R&D team and perfect systematic after-sales technical department, we truly provide customer-oriented service experience. Till now, we have already got agents in more than 100 countries who are stably selling our laser equipment's. As an important enterprise of laser intelligent equipment, HSG Laser has been providing key technology and customized integration solutions for Industry 4.0 and future factories, helping enterprises to carry out intelligent manufacturing, making intelligent manufacturing to change our work within touch.



HS-G3015A

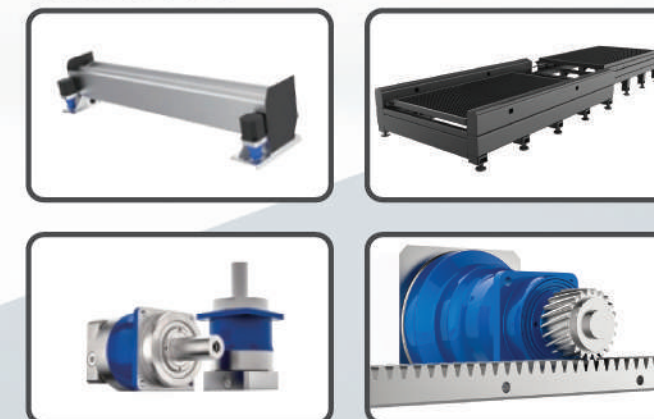
Fully Enclosed Fiber Laser Cutting Machine

Processing Area	3000mm x 1500mm (bigger table size are available as option)
Laser Power	500W - 4000W
Max. Moving Speed	140m/min
Max. Accelerated Speed	1.5G
Positioning Accuracy	± 0.05mm/m
Reposition Accuracy	± 0.05mm
Whole Machine Weight	7500Kg
Machine Dimensions	8500*2900*1900mm

Applicable Materials:

Specially used for cutting 0.5-25mm carbon steel, 0.5-20mm stainless steel, 0.5-16mm aluminum, 0.5-12mm brass, 0.5-8mm copper, as well as galvanized steel, electrolytic steel and silicon steel etc (thickness and materials are related to fiber laser source power).

Machines Parts



HS-G3015E-6022Q

Sheets and 6M Tubes Fiber Laser Cutting Machine

Processing Area	3000mm x 1500mm (bigger table size are available as option)
Laser Power	500W - 4000W
Max. Moving Speed	60m/min
Max. Accelerated Speed	0.5G
Positioning Accuracy	± 0.05mm/m
Reposition Accuracy	± 0.05mm
Whole Machine Weight	9500Kg
Machine Dimensions	9000*3650*2100mm

Applicable Materials:

TUBES

Professionally cutting square tubes, round tubes, rectangle tubes, D-shaped tubes and hexagon tubes etc. Cutting capacity-square tubes: 20*20-150*150mm, round tubes: 20-210mm, thickness 0.5-10mm carbon steel tubes, 0.5-10mm stainless steel tubes.



HS-G3015C

Open Type Fiber Laser Cutting Machine

Processing Area	3000mm x 1500mm (bigger table size are available as option)
Laser Power	500W - 2000W
Max. Moving Speed	100m/min
Max. Accelerated Speed	1.0G
Positioning Accuracy	± 0.05mm/m
Reposition Accuracy	± 0.05mm
Whole Machine Weight	3300Kg
Machine Dimensions	4600*2600*1650mm

Samples Cutting Finish



HS-TS65

Automatic Tube Laser Cutting Machine

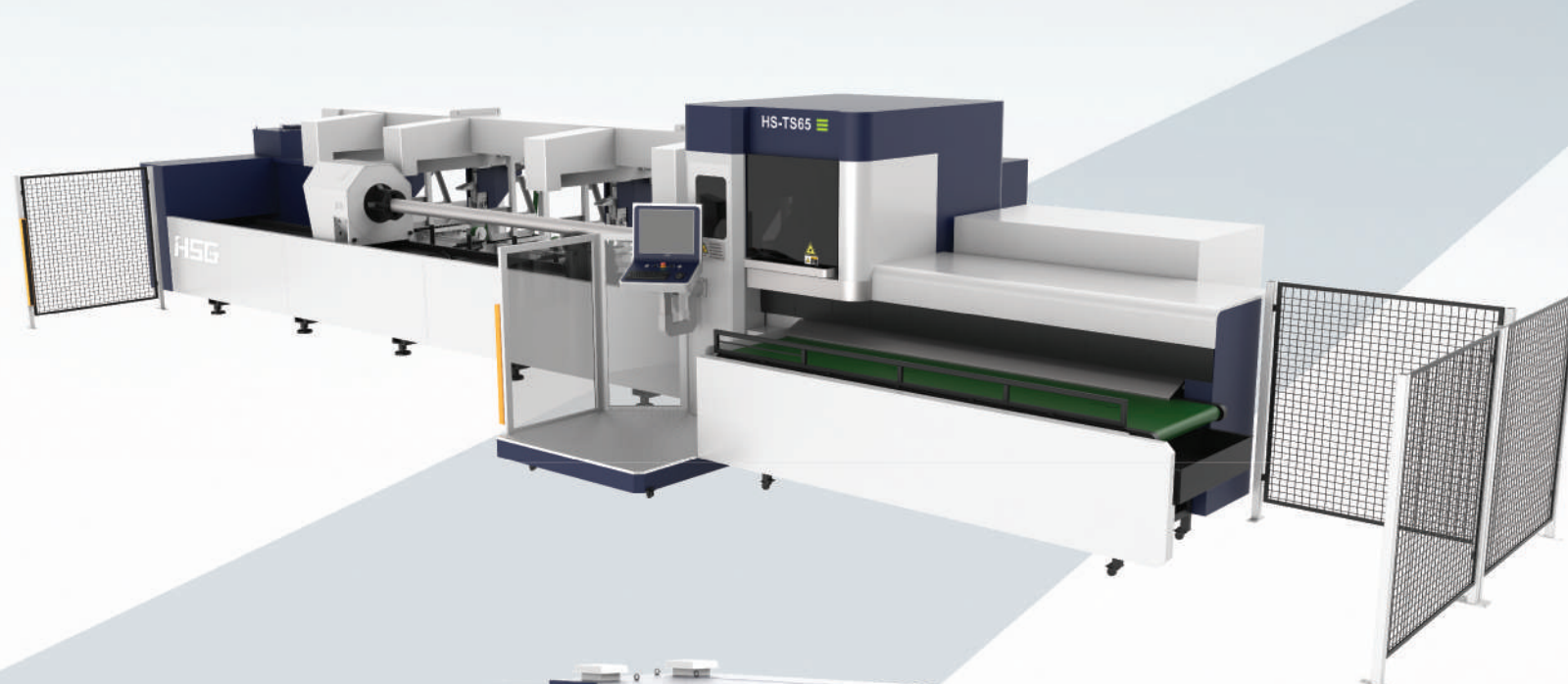
Laser Wavelength	1070mm x 1080mm
Laser Power	1000W - 4000W
Max. Moving Speed	120m/min
Max. Accelerated Speed	1.2G
Positioning Accuracy	± 0.03mm/m
Reposition Accuracy	± 0.03mm
Whole Machine Weight	12000Kg
Machine Dimensions	12000*3500*2800mm

Applicable Materials:

TUBES

Professionally cutting square tubes, round tubes, rectangle tubes, D-shaped tubes and hexagon tubes etc. Cutting capacity-square tubes: 12*12-200*200mm, round tubes: 12-254mm, thickness 0.5-10mm carbon steel tubes, 0.5-10mm stainless steel tubes (Cutting thickness and material is related to laser source).

Machines Parts



HS-E22

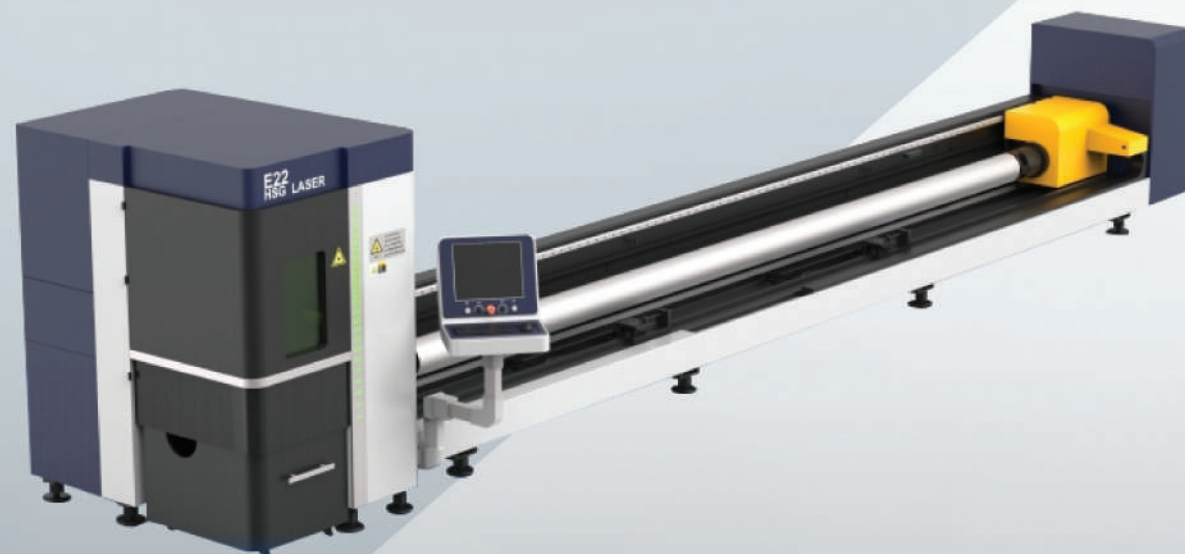
Tube Laser Cutting Machine

Laser Wavelength	1070mm - 1080mm
Laser Power	1000W - 3000W
Max. Moving Speed	60m/min
Max. Accelerated Speed	0.5G
Positioning Accuracy	± 0.05mm/m
Repositioning Accuracy	± 0.05mm
Whole Machine Weight	5000Kg
Machine Dimensions	9500*2700*2400mm

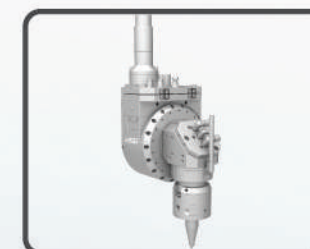
Applicable Materials:

TUBES

Professionally cutting square tubes, round tubes, rectangle tubes, D-shaped tubes and hexagon tubes etc. Cutting capacity-square tubes: 20*20-150*150mm, round tubes: 20-210mm, thickness 0.5-10mm carbon steel tubes, 0.5-10mm stainless steel tubes.



Machines Parts



HS-TP65

5-Axis Tube Laser Cutting Machine

Laser Wavelength	1070mm x 1080mm
Laser Power	1000W - 4000W
Max. Moving Speed	100m/min
Max. Accelerated Speed	1.0G
Positioning Accuracy	± 0.03mm/m
Reposition Accuracy	± 0.03mm
Whole Machine Weight	10000Kg
Machine Dimensions	12000*3500*2800mm

Applicable Materials:

TUBES

Professionally cutting square tubes, round tubes, rectangle tubes, D-shaped tubes and hexagon tubes etc. Cutting capacity-square tubes: 20*20-150*150mm, round tubes: 20-210mm, thickness 0.5-5mm carbon steel tubes, 0.5-5mm stainless steel tubes (Cutting thickness and material is related to laser source).

With a highly dedicated team, Sunrise Fluid Power Inc. has been specializing in the manufacturing of hydraulic ironworkers, punching machines, bending machines, and other hydraulic machinery and equipment for over 30 years. Total customer satisfaction is the number one goal.

Sunrise is ISO-9001 certified by BV (Bureau Veritas), and their products meet the CE safety requirements and regulations. Sunrise relentlessly seek continuous improvement and product development. Currently Sunrise has the broadest range of ironworker and punching machine models compared to any other manufacturer.



PUNCHING MACHINE

CNC Positioning System

Feature:

- Sturdy frame construction and servo motor driven.
- Hydraulic clamps for strong grip of material.
- Hydraulic stripper with exchangeable plates.
- Ball transfer units on the support table.
- Safety covers with interlock switch.
- Sensor for the air-oil booster to ensure clamping pressure.
- Adjustable servo motor speed for various material sizes.

ALS-1506

Max. Angle	152mm x 152mm x 12mm
Min. Angle	50mm x 50mm x 5mm
Max. Flat bar	152mm x 12mm
Min. Flat bar	50mm x 5mm
Rack-n-pinion feeding system	6m standard, extension to 9m or 12m optional
Min. Scrap	150mm

Feature:

- Able to punch and shear 2" to 6" angle and flat bar in one fully automatic process.
- Comes with a 6m feeder (option for extension available) which uses a heavily proportioned machined structure steel tube and rollers made from solid steel with bearings for good contact and support of work piece.
- Main stations come in one unit with fully enclosed covers, providing not just visual attractiveness, but also ease of setup and unparalleled safety standard for the operator.



ALS-1506

PM Series

Punching pressure	35 ton ~ 200 ton
Throat depth	310mm ~ 760mm
Punch capacity	Ø18mm x 14mm ~ Ø41mm x 35mm

PM-55LT



PM-80LT-CNC

APS-30080M

Max. Material	300mm x 18mm x 6000mm
Feeding speed	12m/min
Accuracy	±0.5mm per meter
Min. Scrap	150mm
Clamps for both X and Y directions	
Anti-twist shearing support	
Fully covered with interlock for safety	
30-40-30 Multi-tool system for max. 40mm holes	

Feature:

- Highly efficient and accurate fully automatic punch and shear machine.
- Workstations for punching, stamping and shearing.
- Punching station is equipped with multi-tool system, 30-40-30mm.
- Hydraulic stripper is included as standard equipment.
- Stamping station uses a cassette type of stamping tool for fast stamping action.
- Shearing station also has a hydraulic holddown with independent movement included.
- In-feed system is standard at 6000mm X-travel with option to extend longer.
- 15" touch screen controller is podium mounted for easy placement according to job needs and features pre-set patterns making programming a simple task.



APS-30080M



PM-80T-ANC

IRONWORKER

K Series • Single Cylinder • Double Cylinder

Punching pressure	45 ton ~ 165 ton
Round bar shear	Ø25mm ~ Ø60mm
Square bar shear	25mm x 25mm ~ 60mm x 60mm

Punch capacity (diameter x thickness):
 Ø40mm x 8mm ~ Ø50mm x 24mm

Flat bar shear (width x thickness):
 350mm x 8mm ~ 760mm x 20mm



K Series



Double Cylinder

Feature (Double Cylinder):

- Two control foot paddles, and separate operations can be safely performed simultaneously.
- Low pressure setting for tool change provides maximum operation safety.
- Long punching cylinder stroke and deep throat enable mounting a wide range of special equipment.
- Wide range of optional and custom designed tooling.



Single Cylinder

BENDING MACHINE

HBM Series (Hydraulic Bending Machine)

Cylinder force	40 ton ~ 75 ton
Cylinder stroke	310mm ~ 760mm

Feature:

- Excellent repeatability of cylinder stroke at accuracy of $\pm 0.1\text{mm}$ ($\pm 0.004"$).
- Name-brand electric and hydraulic components ensure reliability of entire machine.
- Manual backgauge is included for accurate positioning.



HBM Series

Since 1976 in the market, Conic leading the independent manufacturing company of the punch press tools in the sheet metal market. Okayama factory is the core of such production center. The most advanced technology machine and computer system is used in the production area in order to supply customer's requirement in the most innovative ways. Conic customers always rely on their response and engineering performance. Conic is the largest independent punch press tool supplier in Japan.

Conic is using the most advanced machine systems for tooling production. Those machine systems are highly maintained to product the most fine and high quality tooling systems. Also, their own Technical Center to develop new tools and innovate processing technologies using the latest technology punch press machine in research and development.

Conic is a qualified international quality management system, ISO 9001, recognize as a reliable company both in international and domestic market. Adopting high precision inspection system for their quality management system.

There are about 5,000 customers in the world using Conic high quality Japan made punch press tools in Japan, Thailand, China, Taiwan, Korea, Malaysia, Philippines, Australia, New Zealand, India, Turkey, Iran, U.A.E, Egypt, Saudi Arabia, Russia, Estonia, Finland, Germany, Brazil and others. Furthermore they are the sole agent in Japan "Trumpf TruBend Center"

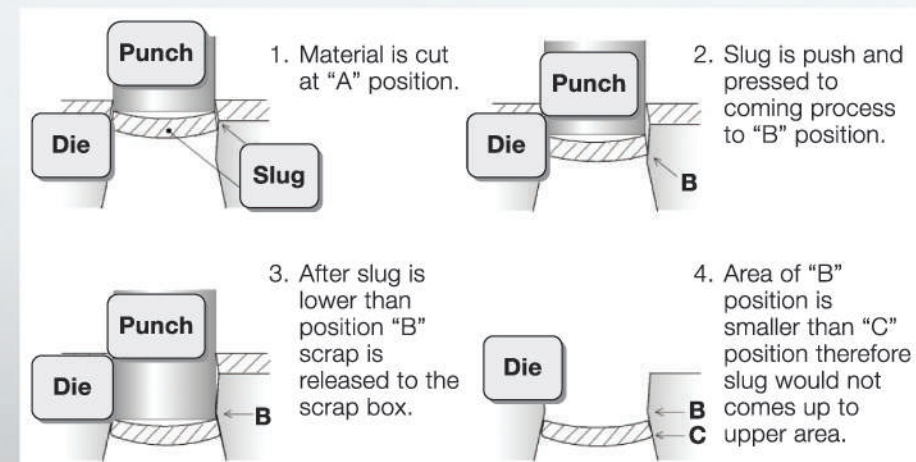


Feature:

- Conic uses powder type high speed steel for punch body.
- Conic uses improved D2 steel for die.
- Conic uses super sub-zero heat treatment process on D2 steel for standard punch.

Conics tool is using slug catcher shape for die as standard specification.

This application is effective to anti slugs comes up.



Conics supplies following tools:

- Thick Turret type
- Thin Turret type
- Trumpf type
- Murata Wiedmann
- Nisshinbo type
- Salvagnini type (new S4 type)

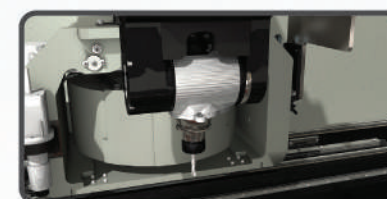
Emmegi's history started back in 1970 in Limidi di Soliera (Modena, Italy), where our headquarters are still located. During the intervening years we have continued to incorporate new voices, protagonists and ideas and also new production sites and commercial branches until becoming first an international leader in the manufacture and sale of systems for machining aluminium, light alloy, PVC and mild steel profiles and today, a highly valued process consulting partner.

There are no secrets behind the company's success, just hard work, passion, dedication, skill, research, professionalism, investment and analytical insight, all combined with our flair for innovation. By choosing Emmegi, users always get the best solution for their production, logistics and management needs. Because over the years we've never rested on our laurels: we've always kept our eyes on a succession of new goals, blazing new trails and gaining trust on new markets.

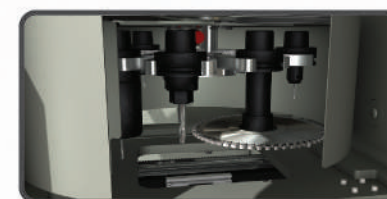
LEADING TO A NEW WORLD



CLAMPS



ELECTRIC HEAD



TOOL MAGAZINE



OPERATOR INTERFACE



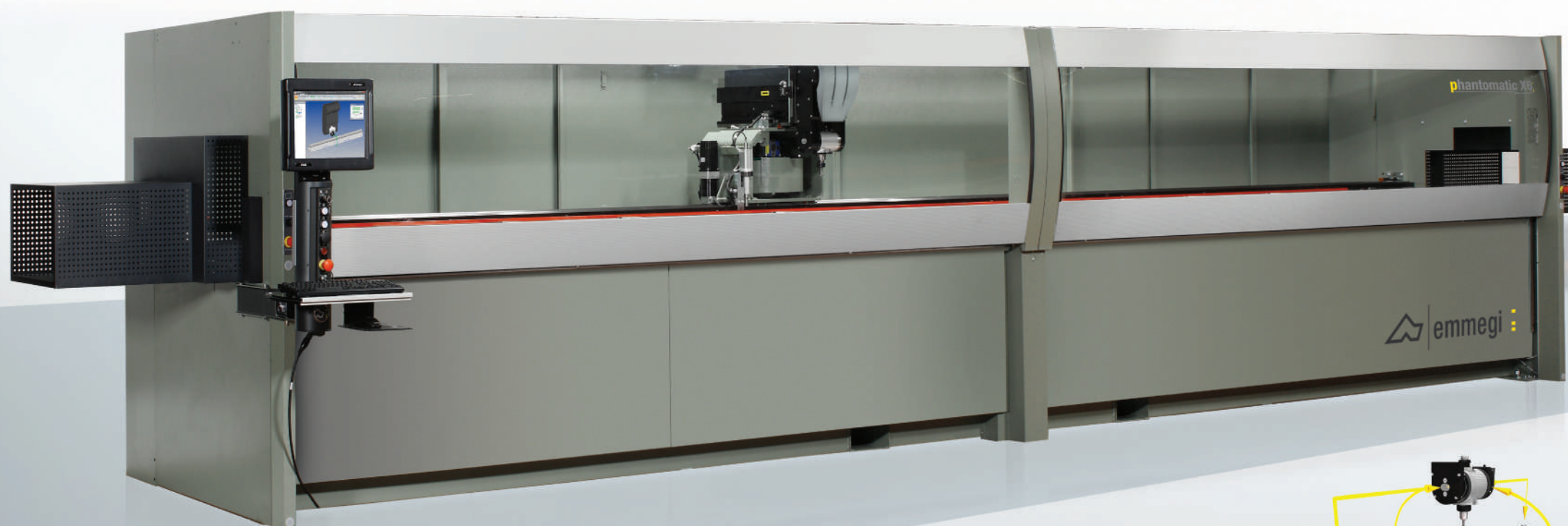
SINGLE PIECE METHOD



MULTIPIECE METHOD



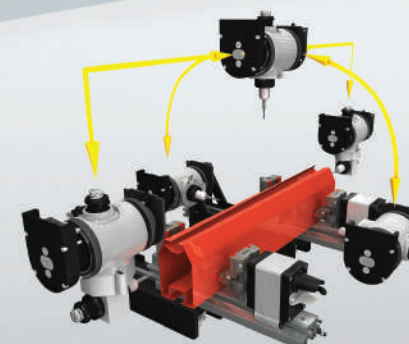
SWING MODE



Phantomatic X6

4-axis work centre

Machining centre CNC with 4 controlled axes, used for the working of bars or aluminium, PVC, light alloys in general and steel pieces up to 2 mm. All models can operate in single piece and multi piece mode, with a single work area for bars up to 7.7 m in length. The PHANTOMATIC X6 and PHANTOMATIC X6 HP models allow machining in pendular mode, with two independent machining areas. The PHANTOMATIC X6 HP version, with 2 supplementary axes to position the clamps and the reference stops allows operation in dynamic pendular mode, carrying out clamps positioning while the machine is working. Each model has an 8 place tools storage, on the on X axis truck, with the possibility of hosting an angular unit and a milling disc, to perform machining on the 5 sides of the piece. The 4th CN axis allows the electro spindle to continuously rotate from 0° to 180° to perform work on the profile edge. It also has a mobile work surface that facilitates the piece loading/unloading operation and significantly increases the workable section.



AXIS X (longitudinal)	7.700 mm
AXIS Y (transversal)	270 mm
AXIS Z (vertical)	420 mm
AXIS A (spindle rotation)	0 + 180°
AXIS H/P (PHANTOMATIC X6 HP)	3.300 mm

PRECISION TS2

Electronic twin-head cutting-off machine with front blade

Twin-head cutting-off machine with 3 axes controlled by automatic movement of the mobile head and electronic management of all 45° (internal) to 15° (external) angles, with a precision, within each degree, of 280 positions. Advancement is driven by a pair of hydro-pneumatic cylinders. The innovative virtual rotation axis of the cutting units, subject of one of the patents that accompany this machine, as well as conferring absolute rigidity to the system, allows to manage positioning and profile blocking with great accuracy. These features allow to obtain a greater cutting precision than any other machine in its category and the name PRECISION is defined as the main feature. All axes movements take place on guides and slides on ball bearings. The automatic protections of the heads, the design of the push button control panels, front access to the electric and pneumatic panel, make it an advanced model also from a safety and ergonomics point of view.

VIRTUAL AXIS
OF THE
INCLINATION
OF THE
CUTTING
UNITS



PROFILE
BLOCKING



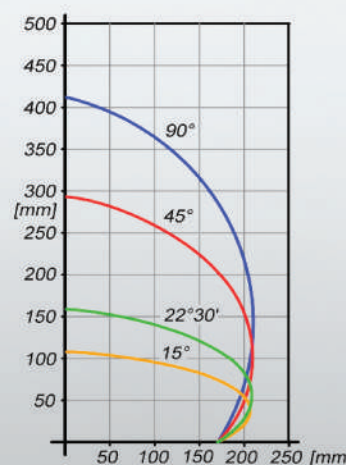
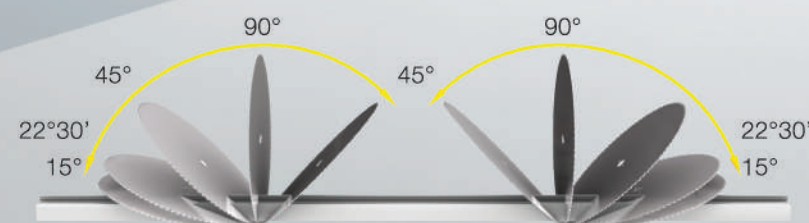
LOAD AND
UNLOAD



CONTROL

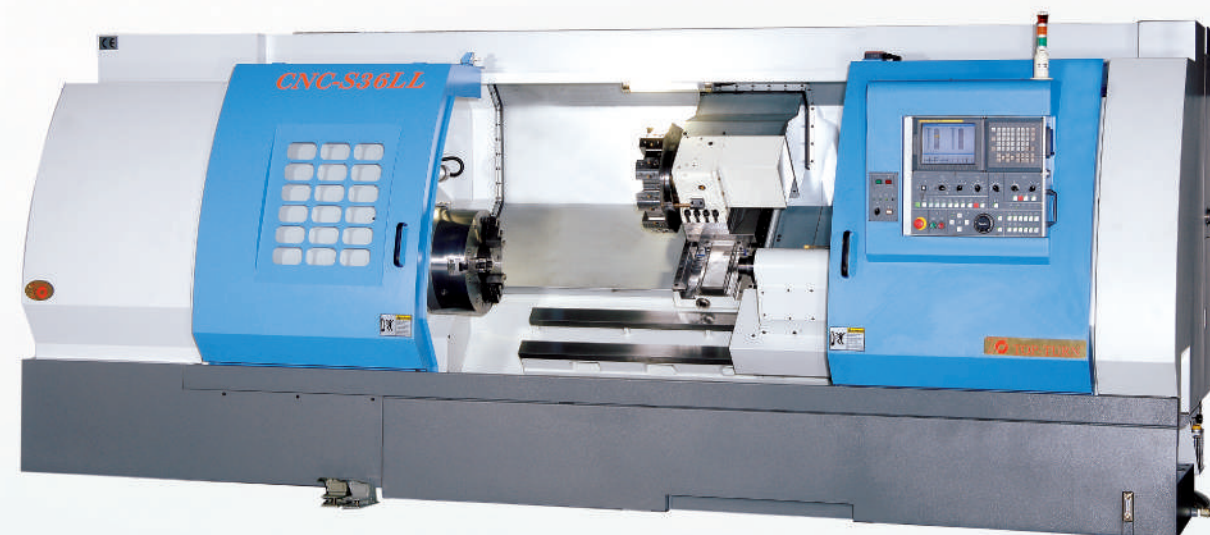


Max. external inclination	15°
Max. internal inclination	45°
Blade diameter	550 mm
Blade motor power	2.2 kW



TOP-TURN

Established since 1982, Top-Turn has an extensive product range and were especially impressed by their professionalism in manufacturing large oil country lathes, which would be of particular interest to the locally-flourishing oil and gas industries.



Front and Rear chuck Option



Rear chuck



Pneumatic chuck

CNC LATHE

Fanuc Controller
S30 / S33 / S36

Swing over bed **Φ 780mm**

Hydraulic chuck **10" / 12" / 15"**

Feature:

- 45° slant bed design.
- Bar capacity up to Φ117mm.
- Ten station high rigidity and precision servo turret.
- Coupled with aiP low speed high torque spindle motor.

CNC LATHE

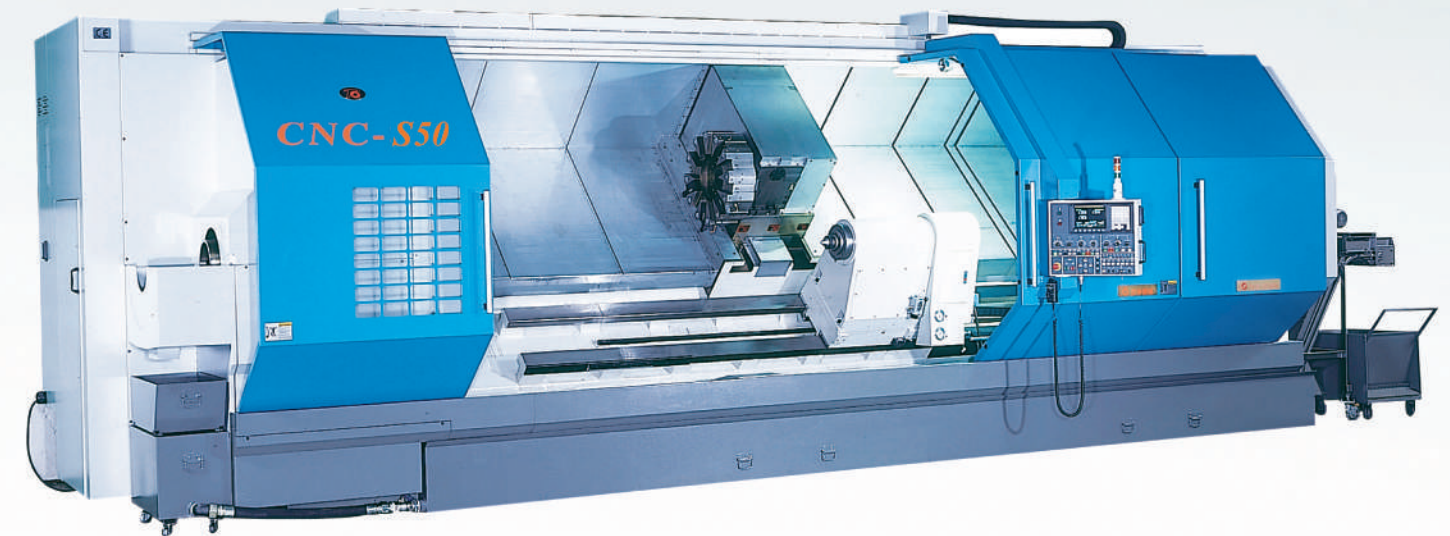
Fanuc Controller
S16 / S20

Swing over bed Φ 400mm~ Φ 560mm
Hydraulic chuck 6" / 8"



Feature:

- Direct coupled ballscrews.
- High rigidity, high precision spindle.
- Slant bed design.
- The hydraulic turret with rapid changing tools system.



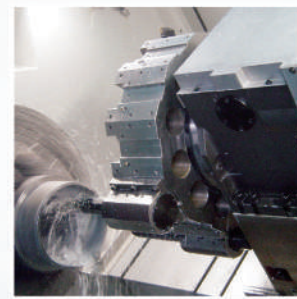
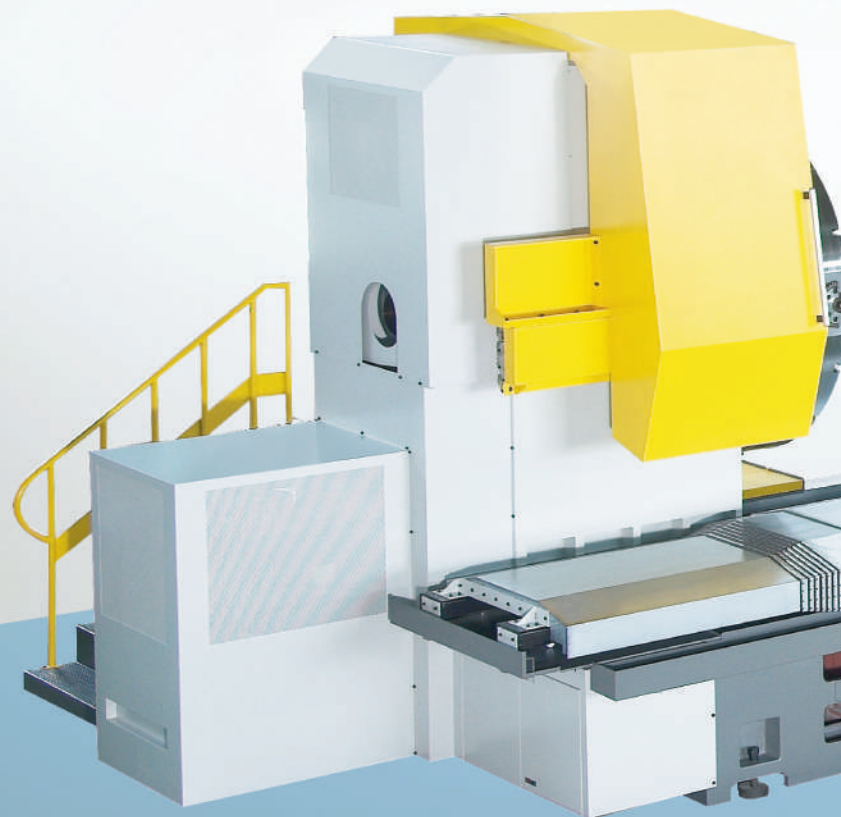
CNC LATHE

Fanuc Controller
S38 ~ S100

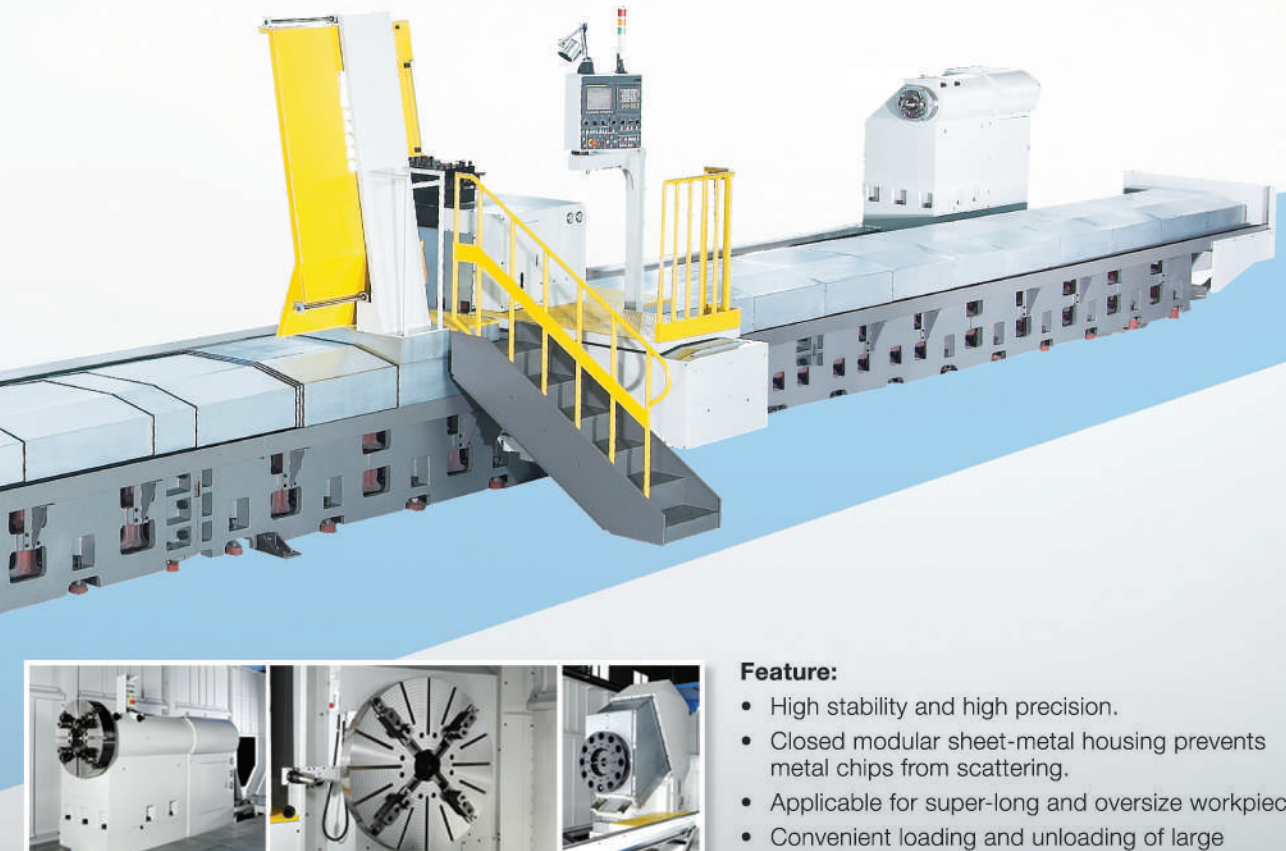
Swing over bed Φ 900mm~ Φ 2500mm
Distance between Center Φ 2000mm~ Φ 12000mm

Bed width up to 2120mm
Spindle bore up to 525mm (21")

C-axis (C), Y-axis (Y) or extended length (L) is available upon request for certain model



Taiwan Largest Slant Bed CNC Lathe



Feature:

- High stability and high precision.
- Closed modular sheet-metal housing prevents metal chips from scattering.
- Applicable for super-long and oversize workpieces.
- Convenient loading and unloading of large workpieces.





Established in 1987, Litz Hitech Corp. has dedicated itself in R&D and manufacturing of the CNC machining centers. Litz's core products include CNC Vertical Machining Centers, 5 Axes High-Precision Machines, CNC Turning Centers, CNC Horizontal Milling Centers, High-Speed Tapping Centers, Boring Centers and Ultrasonic Applications. Today, Litz Hitech outputs more than 2,000 machines annually and is aggressively expanding year after year.

Litz Hitech's vast experiences in OEM/ODM manufacturing for internationally recognized makers sets Litz apart from its competition. The longtime partnerships are the best testimony of Litz's superior quality standard. Litz realizes that excellent quality is the foundation for successful long term business, thus, Litz's goal is to never compromise quality in any circumstances.

VERTICAL MACHINING CENTER

DV Series

Direct Drive Spindle
DV-800 / DV-1000 / DV1200A

X-axis travel 800mm ~ 1200mm

Feature:

- High speed vertical machine.
- Direct coupling spindle 12000 / 15000 rpm.
- Rotatable control panel with full control, function display and diagnostic displays.



Unique isolated direct drive (IDD) transmission

VERTICAL MACHINING CENTER

CV Series

Belt Type Drive Spindle

CV-600 / CV-800 / CV-1000 / CV-1200A / CV-1200B
CV-1400 / CV-1400NA / CV-1400NB / CV-1600 / CV-2000

X-axis travel 600mm ~ 2000mm

Feature:

- High Rigidity - Robust structure design, Y axis with 3 guide ways.
- High speed - Ball screw with direct transmission, pretension as standard.
- High Accuracy - Spindle with high precision angular contact ball bearings.



DM Series

Built-in Spindle
DM-600 / DM-800 / DM-1000

X-axis travel 600mm ~ 1000mm

Feature:

- High speed vertical machine.
- Built in spindle with speed 18000/24000 rpm.
- (X/Y/Z) rapid traverse that makes the machine excellent for precision die and mold.



High Speed Spindle

SV Series

Box Way on Axes

SV-850A / SV-850B / SV-1000A / SV-1000B
SV-1100A / SV-1100B / SV-1300A / SV-1300B

X-axis travel 850mm ~ 1300mm

Feature:

- High rigidity vertical machine.
- 4 supporting ways of Y axis.
- High torque spindle motor.
- Suitable for heavy cutting and parts manufacturing.





TV Series

Mill/Drill and Tapping Center
TV-500 / TV-700

X-axis travel **500mm ~ 700mm**

Feature:

- Direct drive with Spindle speed: 12000rpm/15000rpm.
- X/Y/Z rapid speed : 48/48/60 m/min.
- High speed ATC (T-T): 1.4 seconds.
- Rigid tapping 4000rpm.



LU Series

5 Axes Machining Center
LU-620

X-axis travel **500mm ~ 700mm**

Feature:

- Innovative design, state-of-art technology.
- High-rigidity structural design, precision 5-axis machining.
- High speed X/Y/Z axes and high rigidity B and C axes.
- Built in precision Measurement system.



LH Series

Horizontal Milling Machine
LH-500/630/800 / LH-1000/1250

Feature:

- High speed, high accuracy horizontal machine.
- Rexroth/THK linear guide way on three axes.
- Direct coupling spindle.
- Spindle and ball screw cooling system.

N.K.O Machines is an European manufacturer of the worlds most advanced and innovative bevelling technology. With many years of experience in the welding and steel fabrication industry, N.K.O Machines provides our clients with cost effective solutions for weld preparation that will improve manufacturing throughput while reducing costs associated with excessive over welding and rework due to weld defects. By producing precise bevels our equipment will lay the foundation for you to produce high quality welds.

B Line

Hand operated bevelling and deburring machines



B15 Electra

Maximum bevel width	15mm
Bevel width	0 to 15 mm < 400 N/mm2; 0 to 8mm > 400 N/mm2
Bevel angle	optional 30°, 37.5°, 45°, 50°, 60°



B22 Zero

Maximum bevel width	22mm
Width of the bevel	0° - 60°; 21mm

UZ Line

With automatic feeding



UZ 12 Ultralight

Maximum bevel width	12mm
Bevel angle	22.5°, 30°, 37.5°, 45°, 50°
Material thickness	3mm - 35mm



UZ 15 Rapid

Maximum bevel width	15mm
Bevel angle	15° - 50°
Material thickness	6mm - 40mm



UZ 50 Triumph

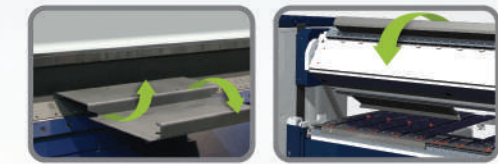
Maximum bevel width	50mm
Bevel angle	15° - 60°
Material thickness	7mm - 80mm

For over 60 years, Hans Schröder Maschinenbau has concentrated on its primary aim: the design and production of the very best machines for bending and cutting sheet metal. With experience gained from three generations of work in the field of mechanical engineering – and the day-to-day partnership-based co-operation with their customers – they offer fitting solutions to nearly any production problem. Schröder portfolio ranges from the simple and transportable manual folding machine for the individual craftsman to the fully-automated processing centre for industrial operations. All of their solutions set themselves apart by combining the highest level of quality with the highest rate of efficiency.



SPB Evolution UD

Folding Machine for Precision



The rotating clamping beam featured by the SPB Evolution includes a second set of tools.

The SPB Evolution UD is a further development of the proven ServoPowerBend concept: this versatile industrial folding machine unifies power, speed, and precision. The Up-and-Down technology of its folding beam allows more processing steps in shorter times and minimizes handling costs.



BENEFITS

- » Operating by One Person
- » Up and Down Folding Possible
- » No Marks on Sheet Surface
- » No Greasing when Bending Stainless Steel
- » Bend Close to Punches and Holes
- » Well Accuracy of Bending Angle
- » Fast and Accurate Radius Step-bending
- » Tolerance of Cut Length gets in First Bend Flange
- » Deep U-shape Possible
- » Special Hem Tool not necessary

SAMPLES OF FACADE FINISH



PowerBend Industrial

Folding Machine for Complex Tasks

The PowerBend Industrial incorporates features previously found on only the most expensive folders on the market. The standard 650 mm (25.6") of stroke and open supports a maximum tool height of 300 mm (11.8"), creating a huge part envelope. Vacuum grip and feed gauging systems, dual monitors, and tool positioning lights are just a few of the standard features on this revolutionary advancement in machine design.



PowerBend Professional

Folding Machine for General Purpose

The PowerBend Professional swivel folding machine is the professional solution to your thin metal applications. This robust yet precise folder is ideal for continuous operation in shops throughout the metal forming industry.





MG today is one of the leading plate rolling machines manufacturers in Italy. The Company was established in the city of Fossano (CN) in 1959 with main specialisation in the manufacturing of industrial automation. In 1981 MG began the construction of plate bending machines. Two years later the company concentrated efforts and investments towards a quality production in the field of hydraulic plate rolling machines; the original 500 sqm of covered plant surface was extended to the present 4000 sqm on a total area of over 6000 sqm.

Today MG is able to answer to almost any kind of demand on plate roller machines manufacturing, and is in condition to propose a large range of models with useful length 200mm up to 8000mm and thickness from 1 up to 300mm. MG's plate rolling machines MG and MH models are the result of continuous R&D and today they are the best possible solution on the market.



PH Line

Variable axis plate roll

Plate thickness	18mm - 200mm
Plate width	2600mm - 3100mm



Feature:

- Top roll with vertical movement and side rolls moving horizontally.
- Three motorized rolls through planetary gearbox.
- Permanent lubrication.
- Double spherical roller bearings.
- Equipped with CNC evo touch command controller.

3 ROLLS MACHINES

G Line

3 roll plate rolling machine

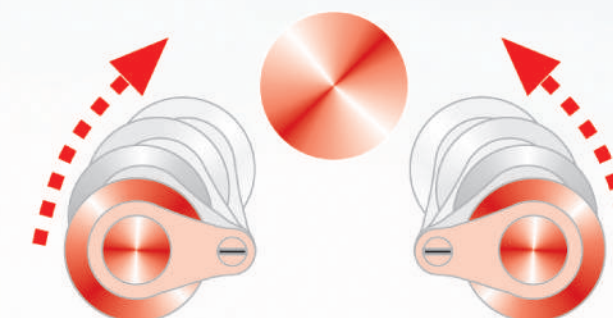
Plate thickness	3mm - 70mm
Plate width	1200mm - 6000mm

Feature:

- High quality forged steel.
- Induction tempered and hardened.
- Polishing after hardening.
- Special version rolls for particular needs upon request.

Planetary movements

The planetary movement of the bending rolls designed with new variable geometry allow our machines to bend diameters below 1.1 times the top roll diameter. This characteristic allows performances up to 30% higher on large diameters compared to our direct competitors.





2 ROLLS MACHINES

F Line

2 roll plate rolling machine

Plate thickness	2mm – 230mm
Plate width	500mm – 2000mm

Projected and manufactured to bend thin material these machines are able to close very small diameters. Suitable for factory that requires high productivity.



4 ROLLS MACHINES

M Line

4 roll plate rolling machine

Plate thickness	1.5mm – 150mm
Plate width	500mm – 6000mm

Ability to pinch the plate between the 2 central driven rolls, prebend the leading edge, and rolling the body of the part along with the trailing edge all in one direction and in one pass.



* Picture shown with optional top and side support.

PROFILE BENDING MACHINE

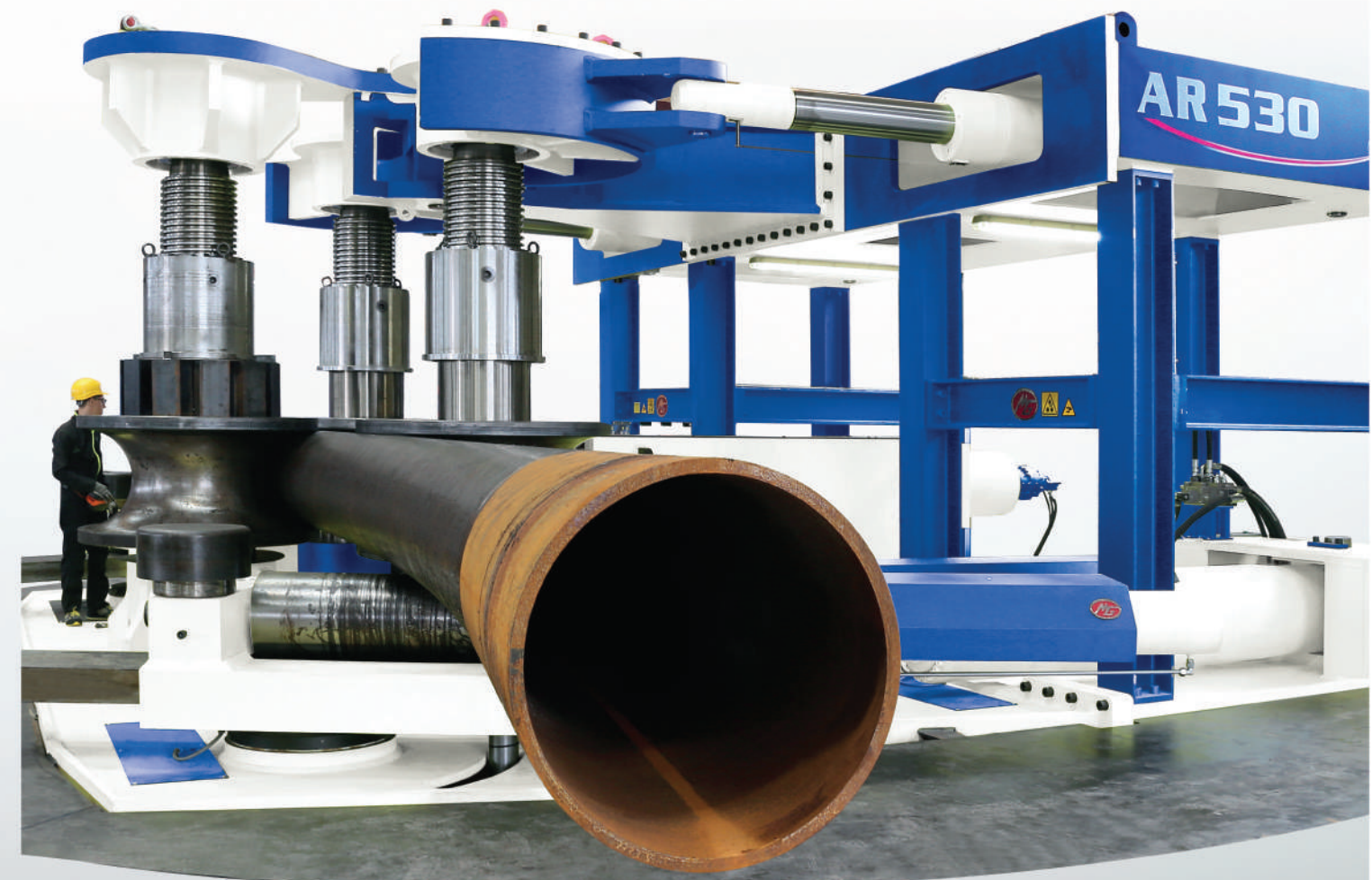
AR Line

Advance section bending technology

Shaft diameter	60mm – 360mm
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Suitable for rolling flat bar, solid bar, square bar, pipe, angle iron, H-Beam, I-Beam and etc.

Planetary movements: bending rolls planetary movement that reduces frictions at minimum, frictions very common on traditional movement machines, such as diagonal or horizontal sliding guides, the two forming rolls are pushed by outer pistons to avoid the deflection of the rolls and to guarantee a perfect finishing job and shorter flat ends.



* The machines are designed to work with shaft in vertical or horizontal position.

Takeda Machinery Co., Ltd. has been involved in manufacturing and sales of metal working machines and press molds since 1966. They have been contributing to improve productivity of customers by positively developing new products through skillful utilization of their long experiences and unique technologies.

They are fully determined to make further efforts as a company which contributes to improve customer productivity by getting the most out of their endowed management resources, by providing customers with proposals of their accumulated know-how, and through assiduous efforts for developing new products.

3BF-1050B

Automatic Drilling Machine For H-Beam

Drilling various sizes of H-Beam:

150mm x 75mm to 1000mm x 500mm

Feature:

- Double grippers feeds and returns a workpiece at the same time.
- Since oil hole drill is available, it's possible to comfortably drill the flange whose thickness is up to 50mm.
- This device automatically detects inclination of web and the machine drills connecting some error.
- A pressure switch of 3 axes controls automatic deceleration of drills and automatic deceleration of them just before reaching the material after measuring the length of drills.



Double Grippers



Oil Hole Drill (Option)



CSHP-70A

Circular Saw Cutting Machine

Pipe product length 100~1,000 mm

Multiple workpieces Max. width 50 mm in one row

Feature:

- High-speed and high-precision positioning.
- Capability to cut multiple workpiece blanks at a time.
- Significant reduction in "wetting" during cutting process.
- Reduce cycle time.



ABP Series

Multi Function One Spindle Drilling Machine

ABP- SM Series

The spindle of a conventional open sided auto borer is now driven by an AC. Servomotor. In addition, a large-capacity high-power motor and a high-accuracy inverter is mounted to achieve stable machining and heavy-duty cutting. This general - purpose drilling machine meets a wide range of customer demands for workpiece sizes, machining base point and machining table specifications.

ABP - SB series

The automatic tool change (ATC) unit and tapping function are added to the SM series, so the machining speed is increased and multi-function machining is achieved.



Wide Plate Drilling Machine Series

Feature:

- Used for machining bridge-wide plates and steel base plates and for multi-base point machining.
- Allow heavy duty cutting to drill large diameter holes in lap plates.
- Allowing drilling holes with different diameter, automatic tapping after prepared hole drilling, chamfering and other plate machining.
- Equipped with an automatic tool change (ATC) unit.



GB-800

Gusset Plate

Feature:

- Drilling hole positioning simplified by just matching paper pattern marks.
- Fixed drilling unit for lap drilling.
- Stroke adjustment simplified with the drill dog adjustment function by scale.
- Programmable controller for easy operation.



Jiangsu JinFangYuan CNC Machine Co., Ltd, is a key national high-tech enterprise, the leading backbone enterprise of HanJiang CNC sheet metal processing equipment industry base of national torch plan, domestic forging industry who pass through ISO9001 international quality system certification earlier. Company has a mechanical industrial engineering research center, provincial enterprise technology center, engineering center and national postdoctoral workstation at the provincial level.

In 1990, JFY started to produce mechanical CNC punch machine, in 1996 started to produce hydraulic CNC punch machine with the famous manufacturer of sheet metal RASKIN company, in 1997 started to produce electro-hydraulic servo synchronous CNC press brake and CNC guillotine shearing machine with the German BEYELER company, in 2002 started to produce CNC punch FMS for lorry carling, in 2003 began to produce APSS CNC punch-shearing combined FM, laser cutting machine for mass production in 2006, becoming the first company to produce CNC turret punch, CNC press brake, CNC shearing machine, laser cutting machine, and CNC combined FMS in mass production in China.



EPSS Series

Fully CNC punching-shearing combined machine with possibility of automated storage, loading / unloading system incorporated. Highly improve work efficiency and accuracy.

EPSS Series

MT 300E

Punch Force	kN	300 - 500
Max. Processing Sheet Size (with one reposition)	mm	1250 x 5000 / 1500 x 5000
Max. Processing Sheet Thickness	mm	300E-3.2 (Brush Worktable) / 6.35 (Ball & Brushed Mixed Table)
Max. Punch Hit at 1mm Pace & 4mm Stroke	hpm	780 - 1000

Feature:

- Servo-motor-driven CNC turret punching machine with superior performance.
- Energy saving as servo motor only works while punching.
- Single servo motor is the power source bringing improved punching speed.
- Equipped with a soft punch function to reduce the noise pollution.
- No Hydraulic pipeline system, no oil leakage or pipeline aging and therefore lower maintenance costs.



MT 300E

PILOUS – the manufacturer of professional band saws for metal and wood. The production of PILOUS is the only one in the world that offers both complete range of metal-cutting band saws and the widest assortment of log band saws. PILOUS is among the major world manufacturers of both metal band saws and wood band saws as regards the scope of assortment and quantity of manufactured machines as well. Since the beginning, the key to success and rapid development of PILOUS has been based on the maximum emphasis on the state-of-the-art construction and quality of the machines. The use of new technologies and methods, very robust construction of machines and design and quality assurance ensure long-term service life and cutting accuracy. The current construction of metal band saws and log band saws presents the highest standard in the world and in many ways defines the trends of further development in related areas. Apart from the domestic sales, about 90% of PILOUS products are exported into more than 60 countries in all continents. We hope that you will choose from the wide range of our products and join the tens of thousands of our satisfied customers. We wish you a GOOD CUT!



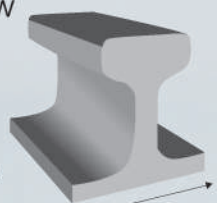
FEATURES

1. Strong and tough design in comparing with most competitors
2. High reliability
3. Very robust machine framework composes of castings from grey cast iron and ensures vibration absorption
4. Easy intuitive controls by ergonomically places controls on the rotary central control panel
5. 20 years of development ensures most modern technology - Pilous is front leader of band saw development in Europe

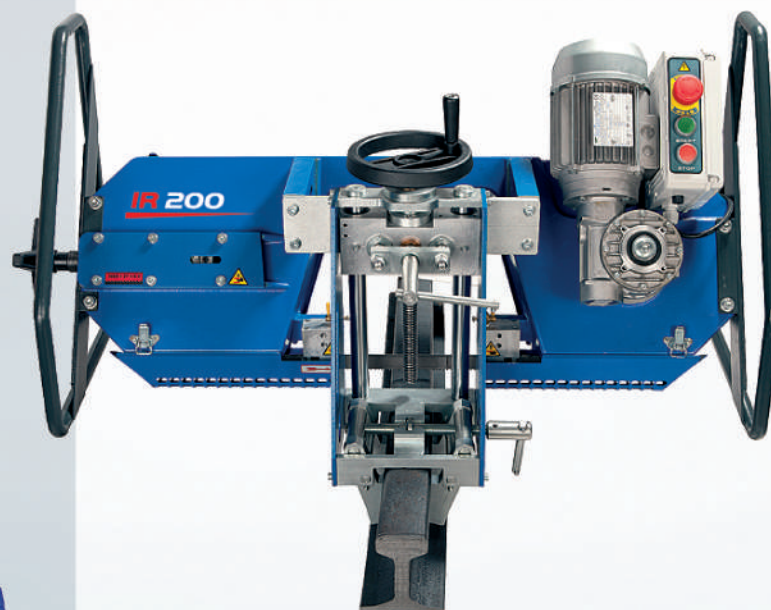
IR-200

Portable Band Saw

Compact and easily portable band saw for fast and convenient cutting of rails. Useful especially during repairs and maintenance on rails.



max. 200mm



ARG-330 DC

Fully automated CNC band saw

	90°
●	330
■	310
▬	360x310



ARG-500 PLUS

Hydraulic Semi-Automatic

	90°	-45°	+45°	+60°
●	500	500	500	350
■	450	440	440	310
▬	620x450	440x450	430x450	310x400



ARG-640 DC

Dual Column Semi-Automatic

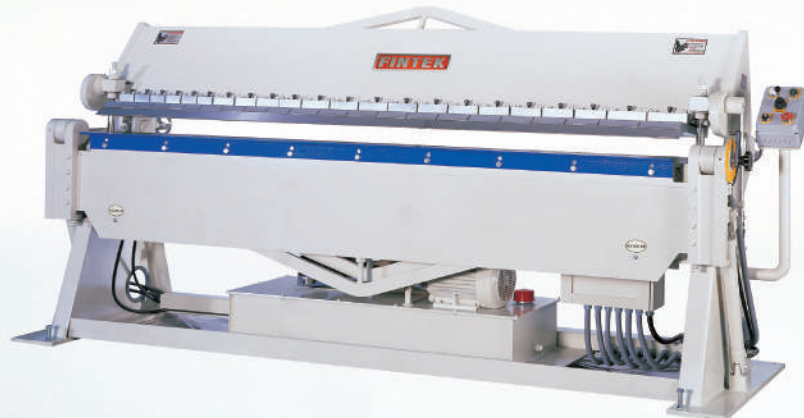
	90°	-45°	-60°
●	640	640	375
■	550	550	375
▬	1100x550	710x550	375x550

Fintek has started manufacture box & pan brake, hand brake machines and foot shear since 1983. Then, they start manufacture initial-pinch type roll bending machine at 2000. At 2006, Fintek developed Europe type hydraulic folding machine and power splitter.

P Series

Compact Hydraulic Shearing Machine

Bending length	1220mm - 4000mm
Mild Steel Cap.	3.5mm
Bending angle	0deg - 135deg



VH Series

Hydraulic Brake Folding Machine

Feature:

- Rigid machine base design for 3.5mm thickness models.
- Adjustable table crowning mechanism, for 3.5mm thickness models.
- Bending angle adjustable mechanism, angle range from 0-135 degrees.

ROLLING MACHINES



PR Series

Initial-pinch Plate Bending Roll Machine

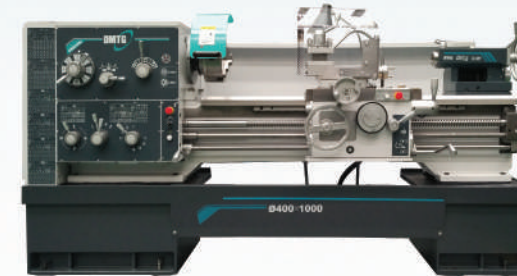
Bending length	1270mm - 2540mm
Mild Steel Cap.	8.0mm
Roll diameter	75mm - 180mm



R Series

Powered And Manual Slip Roll Machine

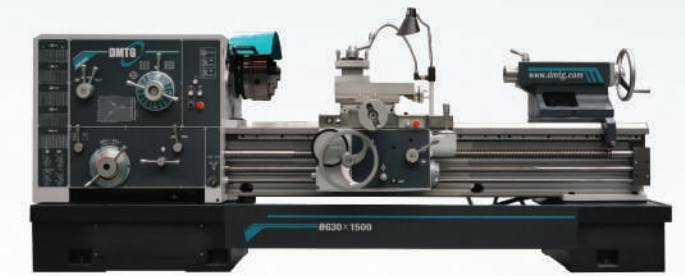
Founded in 1948, Dalian Machine Tool Group has developed a number of machine tool "firsts" throughout its history and it has been a true pioneer for this industry in China. During the past 60 years, Dalian Machine Tool Group has provided more than 500,000 machine tools and 600 automatic production lines for the automotive industry, wind power, oil drilling, rail transportation, engineering machinery and other key industries. The CNC lathes of DMTG brand are awarded as famous products in China.



CDE-B SERIES

Compact Horizontal Lathe

Swing over bed	560mm / 660mm
Length of workpiece	1000mm - 3000mm



CW-E SERIES

Horizontal Gap Lathe

Swing over bed	630mm - 1000mm
Length of workpiece	1000mm - 8000mm

MASTIKA is an OEM brand manufactured from Taiwan or China which named by our founder. These are our core products before we venture into Computer Numerical Control (CNC) machine.

SHEARING • MILLING • SLOTTING • SAWING



HYDRAULIC GUILLOTINE SHEARING MACHINE

Cutting capacity (45 kg/mm ²)	6mm - 30mm
Cutting length	2500mm - 6000mm

Variable rake angle, cutting blade with 4 cutting edges



VERTICAL TURRET MILLING MACHINE

X-axis travel manual	760mm - 900mm
Spindle taper	R8/NT-40



PRECISION SLOTTING MACHINE

Max travel of the ram	125mm - 350mm
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MANUAL / SEMI AUTOMATIC HORIZONTAL BANDSAW MACHINE

Cutting capacity 90	180mm - 460mm
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DRILLING

UPRIGHT TYPE DRILLING MACHINE SJ/ H5 series

Drill capacity **Ø 25mm ~ Ø 50mm**
Tapping capacity **Up to 40mm**

Feature:

- Revolving speed is changeable during the machine is operated.
- Can work for long hours without having carbon wear out problem.

PORTABLE ELECTROMAGNETIC DRILL AND TAPPING MACHINE MTM series

Drill capacity **Ø6mm ~ Ø38mm**
Tapping capacity **Ø10mm ~ Ø38mm**

RADIAL DRILLING MACHINE Z / RD series

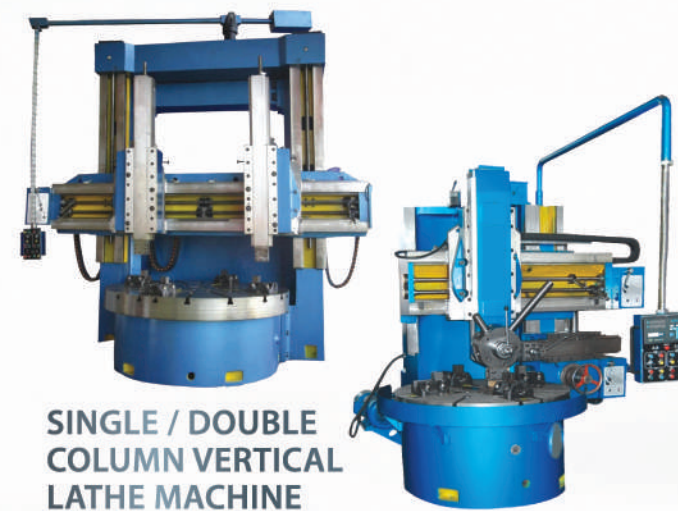
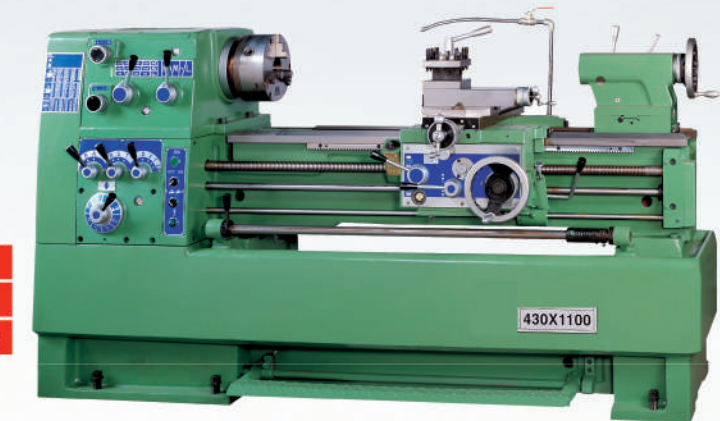
Drill capacity **Ø38mm ~ Ø125mm**

Distance between spindle axis and column:
900mm ~ 4000mm

LATHE

HORIZONTAL UNIVERSAL GAP BED LATHE MACHINE

Swing over bed **3400mm ~ 660mm**
Width of bed **2740mm ~ 400mm**
Length of workpiece **1000mm ~ 3000mm**

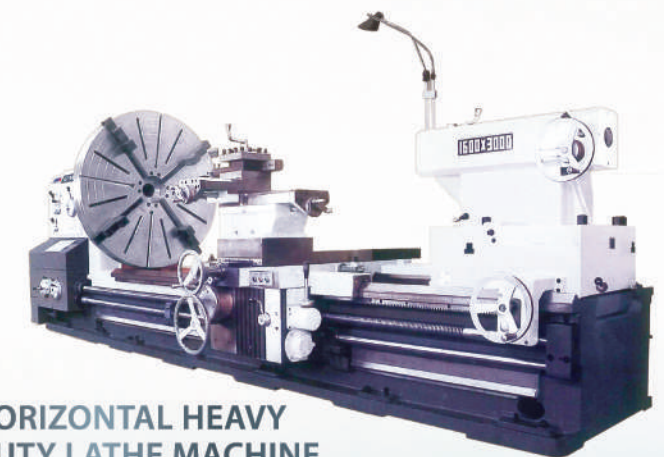


SINGLE / DOUBLE COLUMN VERTICAL LATHE MACHINE

Max turning diameter **1250mm ~ 12500mm**
Table diameter **1000mm ~ 7500mm**

HORIZONTAL HEAVY DUTY LATHE MACHINE CW series

Swing over bed **800mm ~ 2000mm**
Width of bed **550mm ~ 800mm**
Length of workpiece **750mm ~ 8000mm**



SAWING

DOUBLE COLUMN FULLY AUTOMATIC HORIZONTAL BANDSAW MACHINE LH series

Cutting capacity **300mm X 300mm**



SEMI AUTOMATIC COLD SAW MACHINE C series

Cutting capacity 90°
38mm ~ 75mm



VERTICAL CUTTING BANDSAW MACHINE KB series

Cutting capacity:

Throat depth **310mm ~ 455mm**
Max work height **175mm ~ 255mm**

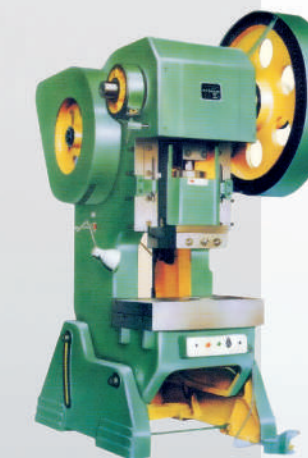
PRESS



HYDRAULIC DEEP-DRAWING PRESS ISD series

Nominal force
100 ton ~ 2000 ton

We can custom design and built this machine to suit your need.



OPEN BACK INCLINABLE PRESS J23 series

Nominal force **3.15 ton ~ 63 ton**

OPEN BACK AND DRY CLUTCH POWER PRESS MACHINE JH series

Nominal force
25 ton ~ 250 ton

Die cushion and variable speed motor are included.





Since 1987 we have been producing standard and special tooling. The family owned company (Francesco and Marco Rolleri) can nowadays be considered one of the largest press brake tooling manufacturers in Europe. We offer a fast and reliable service through our partners all over Europe.

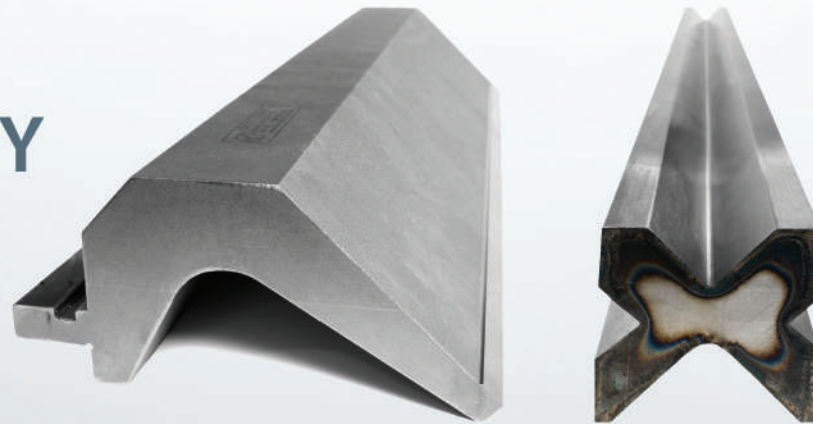
The reorganization of our sales force, happened in 2012, has guaranteed a widespread presence of our products in every single market. In order to give the best delivery times to our customers all over the world, our production has been enlarged considerably with an additional hall and many new machines in the year 2016.

HARDENING

The tool working areas are exposed to the highest mechanical stress, because the press brake force is concentrated on small surfaces. For this reason, the press force on tool working areas is very high and it results in high friction between tools and sheet metal to be bent. In order to have more resistant tools, their surface can be hardened. Rolleri uses induction hardening, which penetrates about 3mm into the tool steel, to guarantee high wear resistance and to offer customer the best solution to competitive prices.

COMPATIBILITY

R1 Amada - Promecam Style
R2 Wila - Trumpf Style
R3 Bystronic Style
RX LVD Style
...and more...



Material Type	Mechanical resistance of the material and the tool body	Hardness of the material and the tool body	Hardness of the operating surfaces after induction hardening
C45	900 - 1150 N/mm ²	29.1 - 36.9 HRc	54 - 60 HRc
42CrMo4	560 - 710 N/mm ²	12 - 15.5 HRc	54 - 60 HRc



Fulfill your engineering needs



Machinesguide.com is a specialized segment of our business that is dedicated to supplying machine parts to the end-user. Although we have been involved in the supply of parts for over a decade, machinesguide.com is a more recent endeavour that went online in 2013. Our website focuses on making it easy to find the parts you need, with ample information such as part numbers, photos and measurements available in just a few clicks. Keeping track of machine parts can be a complicated undertaking, and it is our aim to streamline the process and save you time and money. Although machinesguide.com was originally developed for the local market, we also welcome customers from all around the globe. We intend to bring the quality and service that we stand for to the international stage.



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