

AM MACHINERY

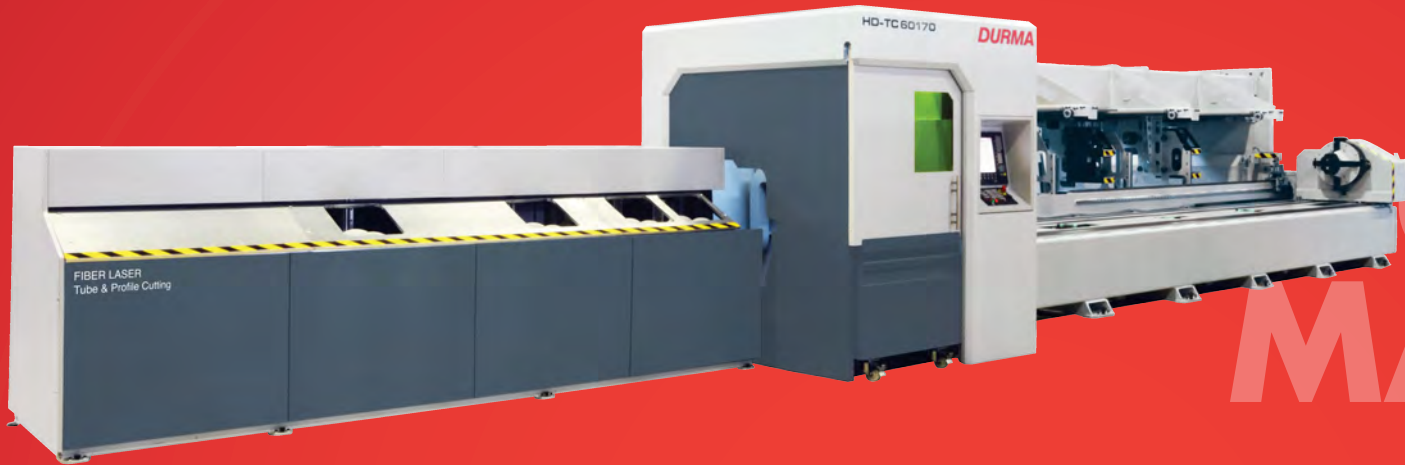
METALWORK MACHINERY

PRODUCT CATALOG



AM MACHINERY SDN BHD
MALAYSIA

DURMA

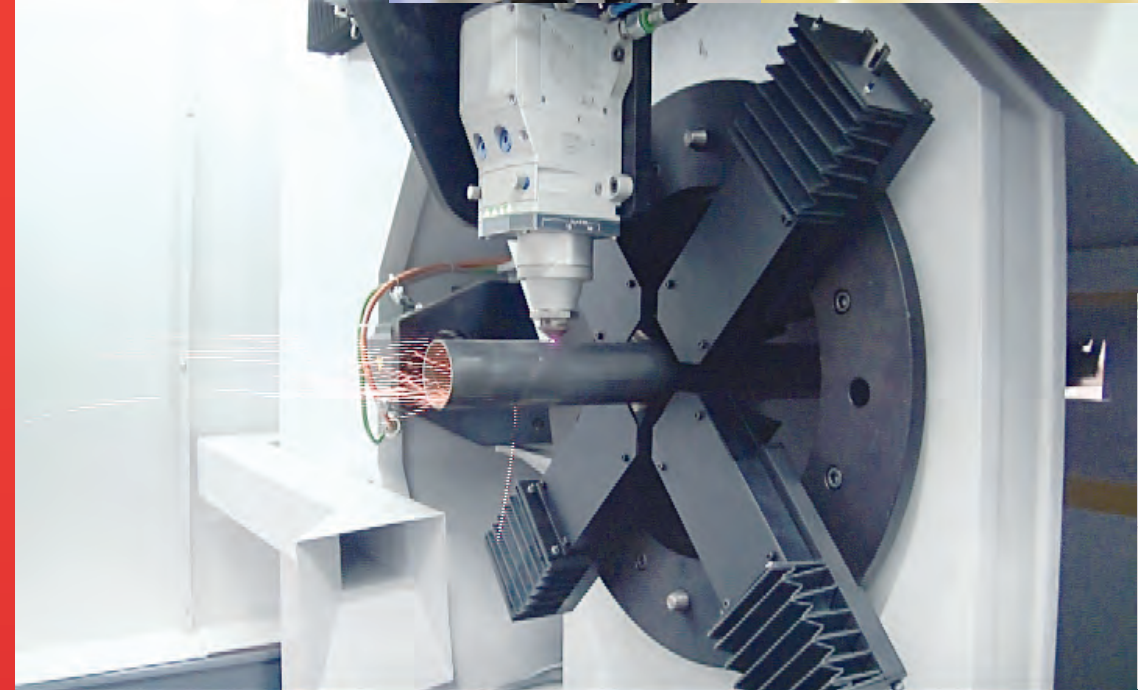


LASER CUTTING MACHINES

HDTC SERIES LASER TUBE-CUTTING MACHINES

A modular product family of state-of-the-art flying optics laser cutting machines where the cutting head moves accurately and with high dynamics over the work piece. There are solutions for different sheet sizes, with optimal laser technologies for every range of materials and thicknesses, and all are driven by high performance and maintenance free rack and pinion or linear motor motion systems.

Durma lasers guarantee precision, low maintenance costs, low operating costs and longterm reliability. These features along with large investments in modern manufacturing equipment have made Durma the largest volume laser machine producer in the world. All Durma laser machines are produced with modern design technology increase your productivity with excellent part production. Demanding applications are easily achieved. A broad offering of sizes and features satisfy nearly all economical requirements.





DURMA

DURMA



HD-F SERIES FIBER LASER CUTTING MACHINES

Machine with fiber laser source which offer very high quality cutting and performance on a wide variety of material types with low energy consumption.

The laser power source of the HDF series is an all-solid-state fiber laser. This technology reduces further the maintenance requirements, and offers the lowest possible running cost with a wall-plug efficiency of 30% and without the need of any laser gas. When the application requires a broader spectrum of material types to be cut and the maximum thickness range is limited, the HDL is the ideal solution: it will cut faster at lower cost than any CO2 laser at the same laser power.

- No need of gas to create laser beam
- Reflection of the laser beam is nearly zero brings along to cut nonferrous metals such as copper and brass by low power with high efficiency
- Very low electrical consumption by 30% wall plug efficiency
- No need of mirror adjustment and nearly zero maintenance requirement
- Consistant Beam divergence



DURMA



SUPERIOR **AD-S SERIES** **PRESS BRAKE**

Value oriented press brakes with large strokes, daylight and gaps to allow cost effective production of simple to complex large shaped that require large dimensions for handling and removal. A simple to use control that reduces the required operator level.



REAL INNOVATION **AD-R SERIES** **PRESS BRAKE**

- Unlimited possibilities and features providing faster and quicker setup and part production.
- Large daylight opening and working areas.
- Outboard mounted long ram guides provide stability while allowing full length between the frame accurate angle bending.
- Stable and fast ac-servo motor driven back-gauge system.
- 3D graphic controller and offline software.
- Automatic table crowning.
- Automatic sheet following systems.



ECO-FRIENDLY AD-SERVO SERIES PRESS BRAKE

Eco-friendly press brake for clean energy saving operations. Lower cost, energy efficient, accurate, speed and quiet.

- Lower cost per part by ecologic technology
- Quiet, Energy Efficient and Accurate
- Ram movement powered by AC Servo motors
- Silent bends: Noise level reduced to 63 dbA; Energy save 62% at stand-by; 44% during the press cycle.
- 60 % in 1 hour with 15 press cycles
- Small hydraulic oil tank for Clean environment & Cost reduction
- Speeds & Accuracy & Synchronisation
- Beam speeds to 200mm/sec
- 5,6 times better Synchronisation in phase of High Speed"



FLEXIBLE BENDING SOLUTIONS FBS SERIES PRESS BRAKE

Durma's advanced technology in the bending of large format parts has for the automated and reduced labor bending of large sheet and plate parts. It's diversified uses in the different industries while avoiding long, expensive welding operations which even takes the risk of material stability and reduced material handling

- Compensation for high spring-back sheets
- Reduced setup times by automated loading and unloading
- Increased employee safety
- On higher tonnage press brakes Durma utilizes a unique "box construction" which provides the most stable machine frame in the industry.

DURMA

PUNCH & PRESSES



RP SERIES ROTATIONAL- HEAD PUNCH MACHINES

Durable punching operation for cost effective processes



- Thousands of Durma Punch Presses all around the world is verifying the quality, reliability and stability of machines; Steel construction, modern design, user friendly control system, software and quality proven hydraulics are a distinctive key measure.
- Auto clamping, strong and flexible turret structure, simple and perfectly designed standardised supplementary equipments and with its user friendly CAD/CAM software; machines offer perfect full package to our clients.
- Possible software and parameter problems can be check via " Remote diagnostic" function of the control unit loading and unloading systems can be integrated for efficient and lean operations
- High performance/price ratio. Low maintenance costs
- Durma Punch Presses are designed and produced for lifetime value added operations'

TP SERIES TURRET PUNCH MACHINES

Flexible and strong punching processes for each sheet formats



BENDING CENTER

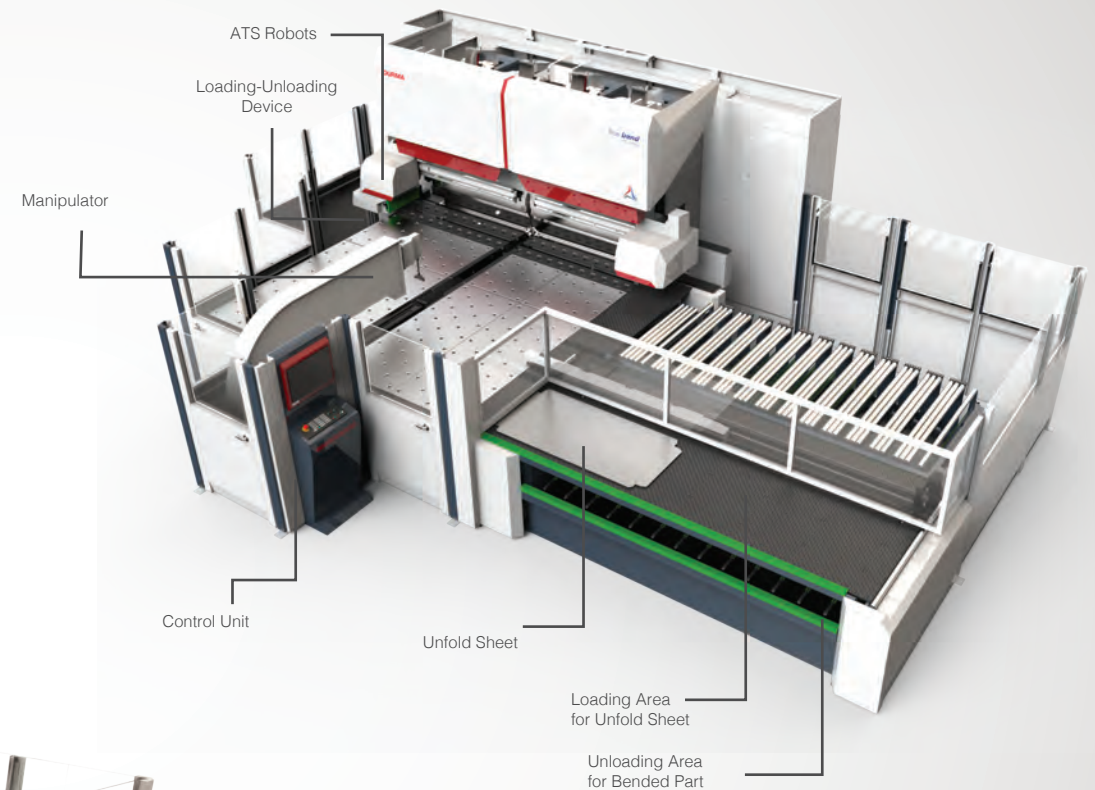
DURMA

PANEL BENDER

Perfectly equipped for sensitive bending Energy efficient solutions

With its easy to use control units, rigid body frame, perfect design, high efficiency, multiple tool usage solutions,

- Compact Solution
- Ergonomic and Safe Working Area
- Electrical Energy Savings
- Regular Production Independent From the Operator
- Stabil Process «No Influence» From the Machine Thermal Conditions



- ✓ FULL SERVO-ELECTRIC SYSTEM
- ✓ FULL AUTOMATIC
- ✓ STABIL PROCESS (HIGH QUALITY)
- ✓ CLEVER CONSUMPTION

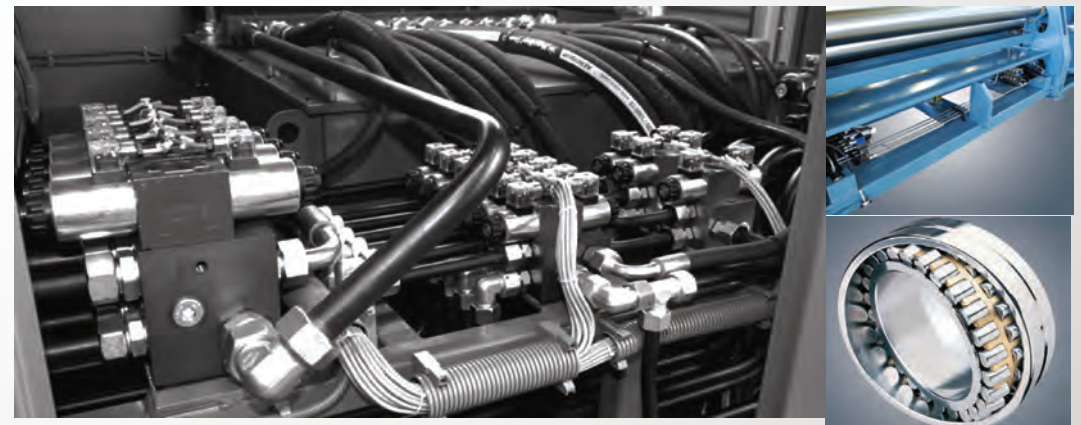
PLATE-ROLL

HRB-4 SERIES HYDRAULIC PLATE ROLL BENDING MACHINES

Accurate, ease of operate, fastest roll bendings



- Reliable mechanical and hydraulics systems are designed by experienced engineers of Durma by utilising parametric 3D engineering technology as well as implementation of mechanical and kinematics analysis.
- Safe and best performance electrics and electronics systems are designed by Durma Research & Development Center. After the longterm tests and evaluations machines can be manufactured in serial production.
- Robust Machine Body for long life-time machines uses in the bending processes.
- User friendly Control Unit options.
- Low maintainence & Best bending performance by strengthen bearing System.
- Precise bendings by Hardened Rolls And Crowning System.
- Short cycle times by high Torque Drive System.



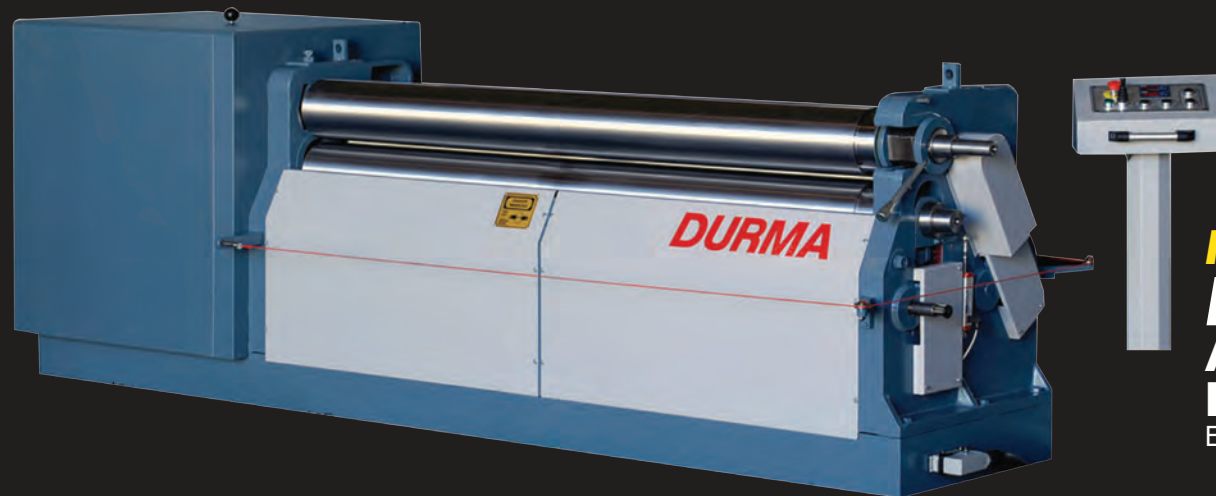


HRB-3 SERIES
HYDRAULIC PLATE 3-ROLL
BENDING MACHINE

Flexibility of 3 roll for medium sizes by Durma technology
Prebending of both the leading and trailing edge

HRB-4 SERIES
HYDRAULIC PLATE 4
BENDING MACHINE

Variable bottom rolls symmetry opening machine is
best choice for wind tower style of production



MRB SERIES
MOTORISED PLATE 3
ASSYMETRICAL
BENDING MACHINE

Economical pinching for variety of Rolling process

DURMA

The DURMA Hydraulic Ironworkers are designed with multi-functions to save labor, time energy and cost. DURMA Ironworkers are well engineered, maximum efficiency and long life is guaranteed by latest manufacturing methods. These universal machines are supplied with Standard tooling including repetition support tables at punch, shear and notch stations and with easily adjusted hold downs at all 5 work stations. Each work station is equipped with specially designed hold downs to ensure safety while providing precision and easy use. DURMA Ironworkers stand for reliability, productivity and accuracy.

IRON-WORKER

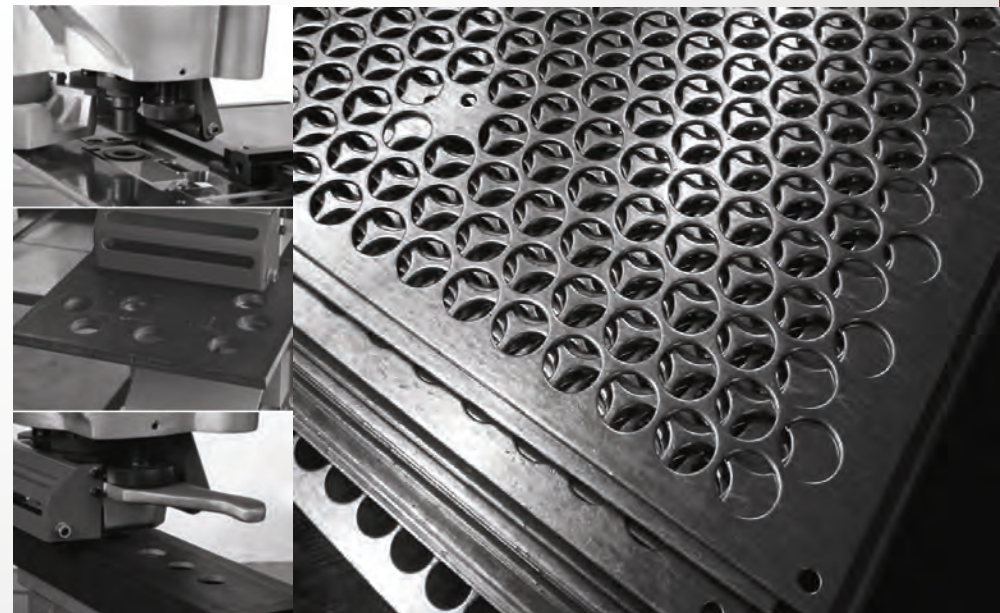
IW SERIES IRON WORKER

Combined and convenient metal working solution for variety of processes



MULTI-P SERIES MULTI-PUNCH

Multiple punching head and CNC, machine offers productivity and ease of operation



SHEARS

DURMA



VR SERIES **VARIABLE RAKE** **CNC SHEAR**

Cutting angle and blade gap Automatically CNC adjusted for flexible and precise cutting processes

SBT SERIES **SWING BEAM** **TOUCH SHEAR**

Heavy duty, robust swing beam cutting for optimised cutting parameters



- Durma shears have been manufactured since 1956 and are installed and working in a wide variety of sheet metal cutting operations for many industries. Years of customer application experience has helped us develop durable, low distortion and precise cutting machines.
- Even large shears are machine frames are machined with our repositioning on the machining centers. Resulting in parallel and square services.
- Automatic adjustment of the holddown pressure in our hydraulic shears firmly secures thick or thin sheet prior to the actual cutting.

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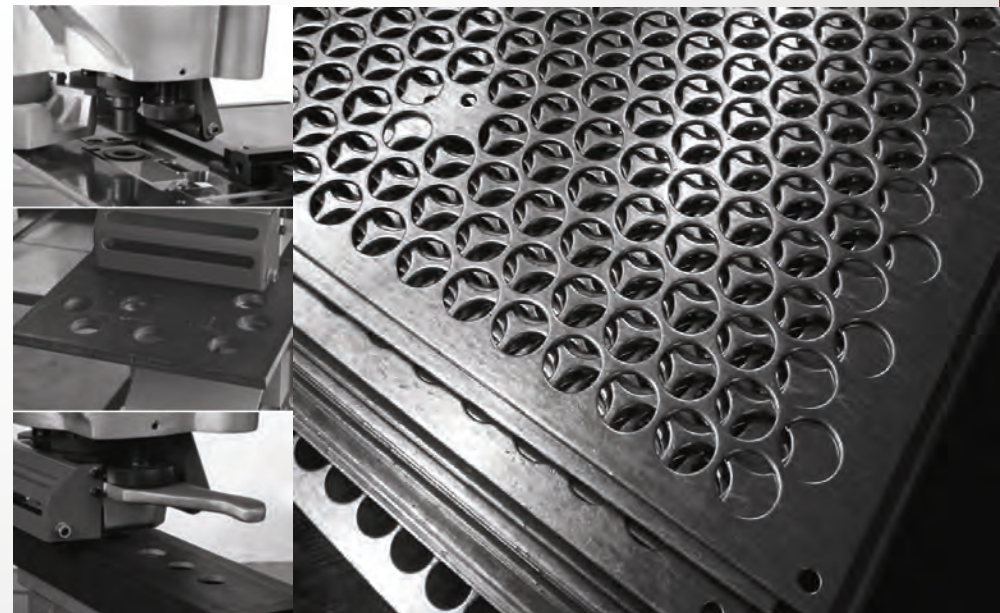
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DURMA



**PBH SERIES
HYDRAULIC
PROFILE
BENDING MACHINES**



**PBM SERIES
MOTORISED
PROFILE
BENDING MACHINES**



PROFILE BENDING

- Robust machine frame is rugged steel construction, machined after the welding for rigidity.
- Precise bending by large shaft diameters and bearings also minimizes deflection
- Longlife of machine by strong frame and world class components
- Short cycle times by high drive torque and speed
- Minimised straight edge by hydraulic adjustments
- Low energy and maintenance costs by friction free planetary swing guides
- Powerful guide rolls

SHEAR & NOCTHER

DURMA



VN-FN SERIES CORNER NOTCHERS WITH VARIABLE AND FLEXIBLE ANGLE

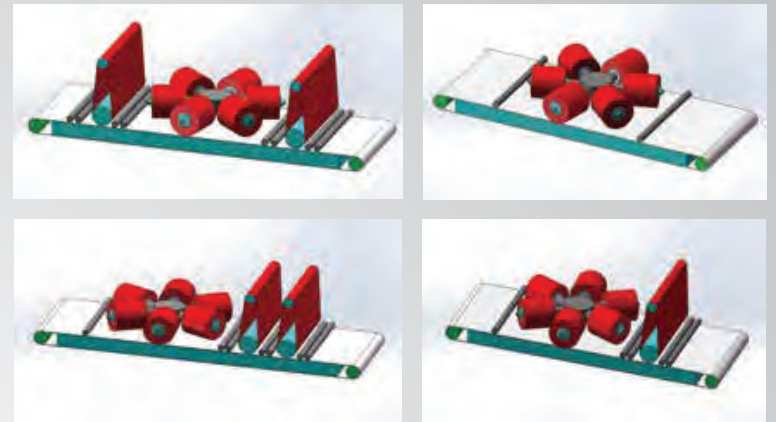
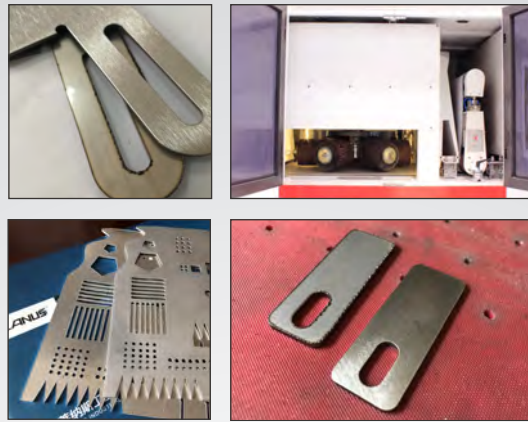
A Corner Notchers that have a heavy and a solid machined table and durable blades



MS SERIES POWER OPERATED SHEAR

All in: Hi Speed + Accuracy + Efficiency + High Performances





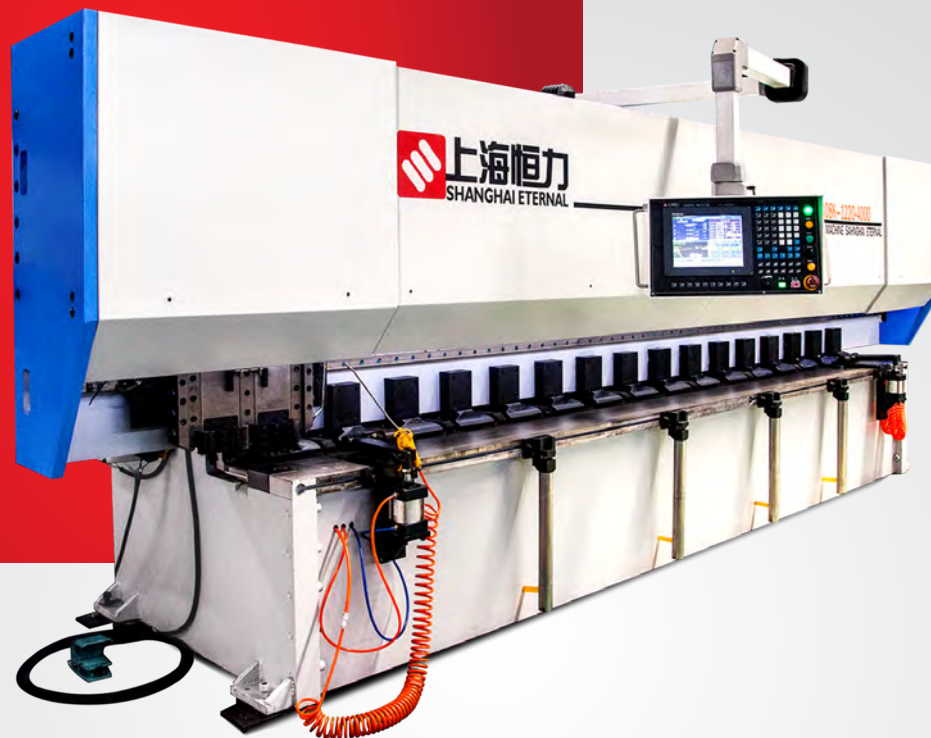
**LSG SERIES
DRY METAL
SANDER**

**LSD-162
MANUAL
DEBURRING
MACHINE**



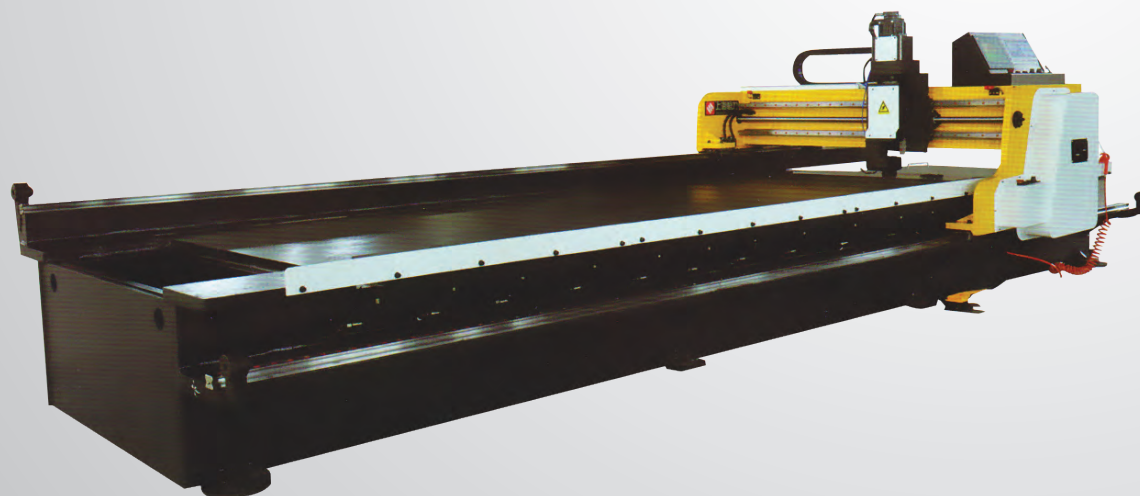
**LSP SERIES
UNIVERSAL
ROLLING
BRUSH**





PG08K-1250/4200 V-CUTTING MACHINE

Y-Axis, Z-Axis exchange servo
numerical control, touch sensitive
screen man-machine dialogue



PGNK-1220/4000 V-CUTTING MACHINE

- Frame structure adopted both in the base and the beam, ensures overall rigidity and resistance to deformation.
- Helical gears, racks drive beam moving with adjustable speed, result a steady, efficient cutting process and a flat, smooth cutting surface
- Digital display in X-Axis, which ensures a higher precision and a wider range of work.
- Power adjustable hydraulic clamping devices provides reliable holding. Hydraulic crowing system suspend motor system, save power and regulate oil temperature.

HLX SERIES FIBER LASER CUTTING MACHINE



HLTD SERIES 3D 5-AXIS FIBER LASER CUTTING MACHINE

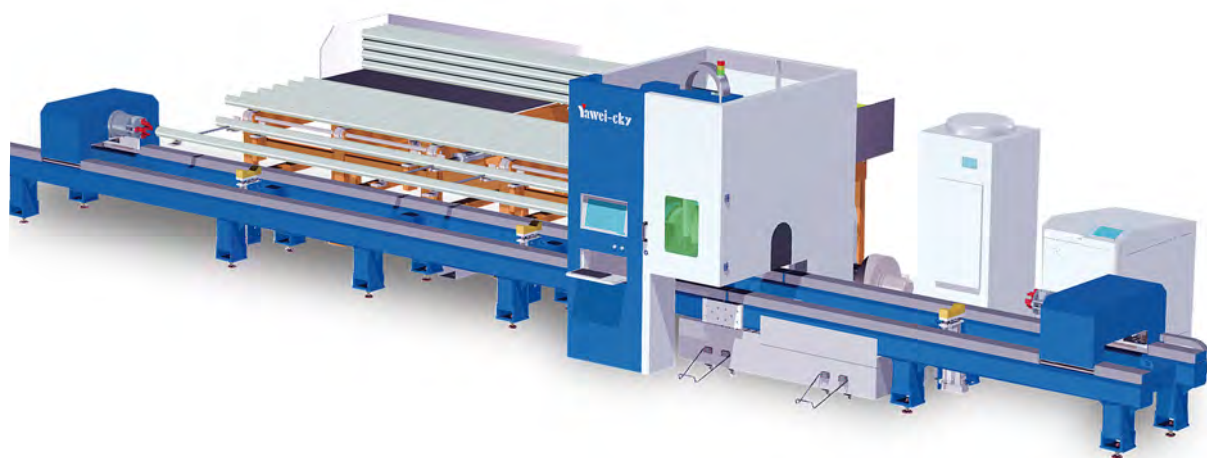




**CFFT SERIES
OPTICAL FIBER LASER
CUTTING MACHINE**

**WYPF SERIES
3D FIBER
LASER CUTTING
MACHINE COMPOUND SYSTEM**





CFFT SERIES
OPTICAL
FIBER LASER
TUBE CUTTING
MACHINE WITH
AUTO-LOADING & UNLOADING

HPE SERVO TYPE
HYDRAULIC CNC
TURRET PUNCH
MACHINE



PRESS BRAKE

PBH



PBH



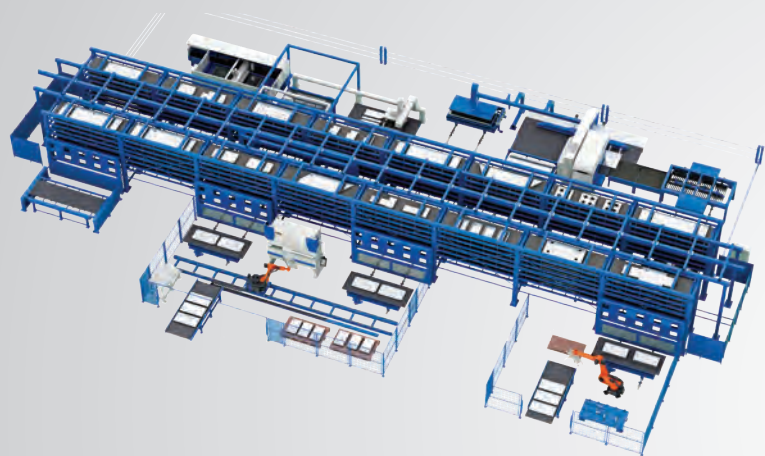
PBA



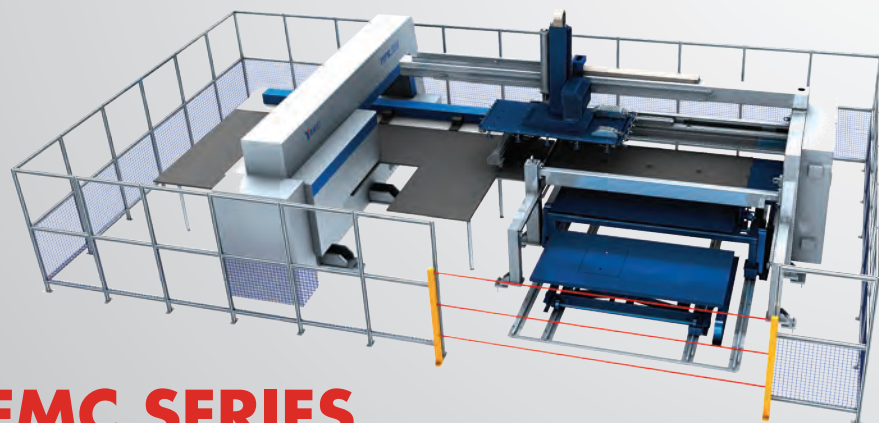
PBE



FLEXIBLE MANUFACTURING SYSTEMS AND CELL



FMS SERIES



FMC SERIES

HGSK CNC HYDRAULIC GUILLOTINE SHEARING MACHINE



PRESS-BRAKE IRON-WORKER LASER-CUTTING
FIBER-LASER TUBE-CUTTING PLATE-ROLL
TURRET-PUNCH PRESS-PUNCH V-CUTTING
HYDRAULIC CNC GUILLOTINE SHEARING
PROFILE-BENDING ROBOTIC-ARM BENDING
MULTI-PUNCH CUT-TO-LENGTH HYDRAULIC
PRESS-BRAKE IRON-WORKER LASER-CUTTING
FIBER-LASER TUBE-CUTTING PLATE-ROLL
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PROFILE-BENDING ROBOTIC-ARM BENDING
MULTI-PUNCH CUT-TO-LENGTH FIBER-LASER
HYDRAULIC PRESS-BRAKE IRON-WORKER
LASER-CUTTING FIBER-LASER TUBE-CUTTING
PLATE-ROLL TURRET-PUNCH PRESS-PUNCH
V-CUTTING HYDRAULIC CNC GUILLOTINE
SHEARING PROFILE-BENDING ROBOTIC-ARM
PARTNERS: SHANGHAI-HENGLI DURMA YAWEI



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