



Smart Swing Beam Shear (Impressive cutting solutions)



Model MS7-6x3200 & MS7-8x3200

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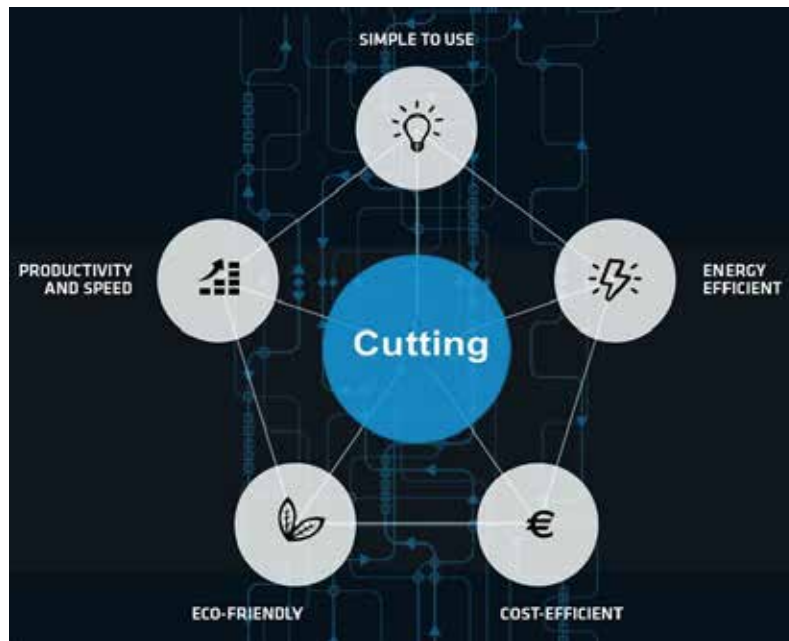
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- K MACHINERY MS7 Series shears are designed superiorly for sheets 6-20mm with high quality material and workmanship and produced to be used for many years in heavy duty conditions without problems.
- Provides a combination of performance, cost effectiveness and easy to use features
- Tough construction with the same solid framework we use for all of K MACHINERY Shears
- User friendly ESTUN E21s NC control unit
- Better cuttings:
- Fast and quality cuttings
- Robust body structure
- High precision and repeatability
- Ball screw back gauge 600 mm
- Efficient, low noise and accurate hydraulic system BOSCH REXROTH.
- Silent and reliable internal gear pump from USA
- Frequency inverter for back gauge motor control
- Square support arm with 1000mm scale and flip
- Protection covers (side and rear safety doors)
- Usage of high-tech boring machines for extreme precision parts:
- K MACHINERY[®] chooses the best products to guarantee long-lasting and high-tech machines.
- K MACHINERY[®] selects the best components.
- In built safety systems (light guards & Laser beam safety photocells as standard, CE certified.).

ABOUT K MACHINERY[®] Better Cutting:

K MACHINERY[®] Smart Series swing beam shears with its high technology standards and design, we also have reduced the cutting angle to achieve straight precision and minimum twist tolerance. these highly accurate swing-cut shears are precisely coordinated with your needs and demands and add value to your company.



Why buy a K MACHINERY Better cutting system?

*** We are a true technological partner.**

We recommend balanced solutions to our client; solutions based on a realistic needs analysis.

*** We are CNC Bending specialists.**

We offer an efficient and proven working process.

*** As sheet metal machinery pioneers,**

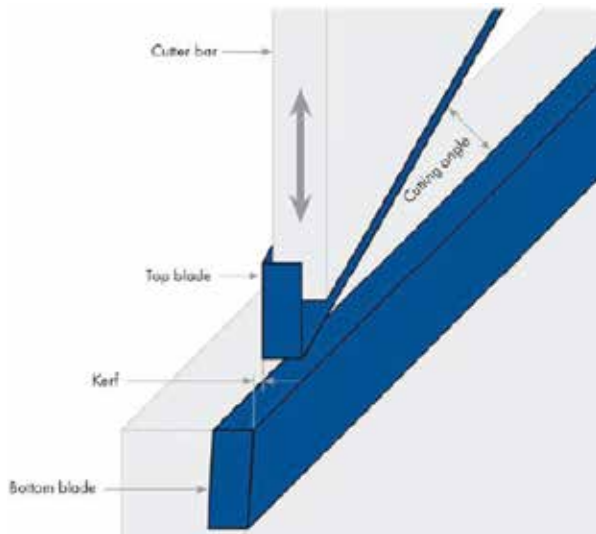
we have more than a decade of experience and installations

MACHINE BLOCK:

K MACHINERY ® Shears features a rigid frame for min deflection under the load. The frame steels are German origin and designed using SOLIDWORKS 3D programming and made with quality steel Improved Q235 using the latest technology.

Feature:

- The machine welding is made by welding apparatus and welding robots.
- After the welding, we make stress relief process by vibration system.
- After the stress relief process machine frame goes to CNC 5 axes machining centers for accuracy.
- All reference surfaces and connection holes are machined.
- By all this processes machine frame sensitivity is protected for a long life time

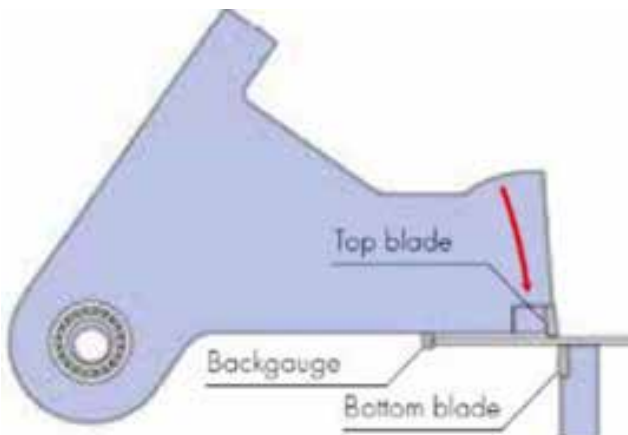


Perfectcuts:

K MACHINERY ® Impressive cutting technology: Built for longevity and thanks to its ergonomic design and rigid structure, K MACHINERY MS7 shears provide a smooth cut with high sensitivity and great safety features. They are also very budget friendly. MS7 shears offer you the best choice in its class with speed, performance and cutting sensitivity.

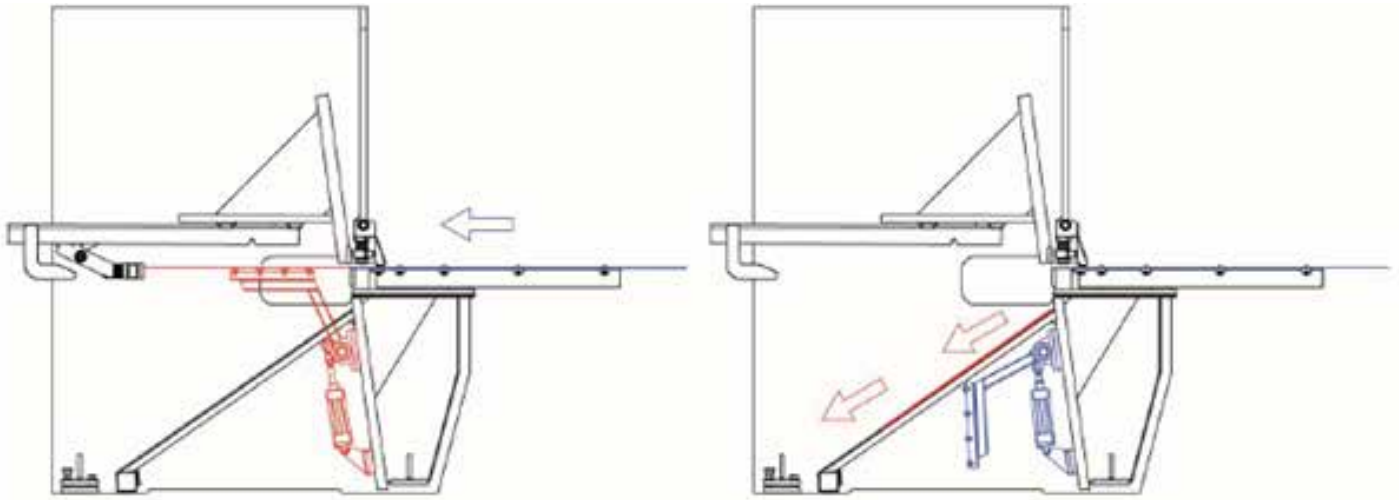
SHEARING PROCESS:

Perfect design in every aspect; By To perform a perfect K MACHINERY ® shearing you need a perfect swing cut that minimizes the effects that take place in the metal sheet during cutting action due to its inner composition, its accumulated inner stresses, its geometry. These natural effects, if not corrected and compensated, become defects in your sheet metal products, reducing their quality. Common shearing effects are: the torsion effect, the straightness effect, the bending effect and the cut edge defect.



PNEUMATIC SHEET SUPPORT SYSTEM(OPTIONAL):

Lever Type Sheet Support Avoids hanging down the wide and thin sheets via pneumatic arms support and provides more precise cuts



NC CONTROL UNIT:

K MACHINERY ® has chosen the very powerful Estun E21 NC System, which has been specially designed for cutting.

Some of the features are:

ESTUN E21s NC Control Unit:

- Wide, bright, colorful to program easily
- Easy control pages
- Bright LCD screen
- Back / front gauge control
- Retract function
- Stroke length limitation
- Manual movement of all axes
- Sheet thickness measurement
- Contextual help and warning pup-up.
- Complete part programming in seconds.



TECHNOLOGIES

Model:	Unit	MS7-6x3200	MS7-8x3200
Cuttings are easier with Estun E21s NC Control			
Cutting Capacity (M/S 42kg/mm ²)	mm	6	8
Cutting Capacity (S/S70kg/mm ²)	mm	4	6
Cutting Length	mm	3200	3200
Rake Angle	Degree	1.5°	1.5°
Blade Gap	mm	0,05~0,8	0,05~0,8
Throat Depth	mm	120	120
Working table height	mm	800	800
WORKING:			
Blades Length	mm	3300	3300
Stroke Per Minute	1/min	12	12
Holddowns	Pcs	14	14
Holddowns Force	Ton	15	15
BACKGAUGE:			
Back Gauge Speed	mm/sec	180	180
Back Gauge Range	mm	600	600
Back Gauge Power	Kw	0.75	0.75
CAPACITY:			
Hydraulic pressure	Bar	275	275
Motor Power	KW	7.5	7.5
Oil Tank Capacity	Lts	200	200
Overall dimensions	mm	4000*1700*1800	4000*1800*1850
Height Under the Floor	mm		
Machine weight	Kgs	6850	7250
Power supply	AC 220V~400V,3ph,50/60HZ		
CONFIGURATION:			
ELGO Control System	ESTUN E21 NC System form China		
Electrical components	Schneider Electrical from French		
Main Motor	Siemens from Germany Brand		
PLC controller	Schneider Electrical from French		
Inverter Drive	Schneider Electrical from French		
Foot switch	Siemens from Germany Brand		
Cutting Blades	FEILI from Taiwan Brand		
Hydraulic System	Bosch-Rexroth from Germany		
Hydraulic Pump	SUNNY from U.S.A Brand		
Tubing connector	EMB Brand from Germany		
Ball Screw/ Liner guide	HIWIN from TaiWan Brand		

EXCELLENT VALUE FOR MONEY:

with its great variety of models and options as well as its modern optics, the MS7 Shears is the flagship of the fleet of shears from K MACHINERY..

Performance:

- Dynamics
- Precision
- Operation
- Maintenance
- Energy efficiency
- Environmentally friendliness

Impressive cutting solutions;

- Highly durable upper and bottom blades create impressive cutting surfaces on the materials and allow you to make perfect cuts.

