



Your business partner in your production

press brake & shear
press brake & shear



With the accumulation of our experience in metal working machinery sector which started in 1996, we established UZMA brand in 2005. In 2007, not only UZMA brand became a registered trademark but also in 2013 we received the ISO 9001:2008 certificate. Today with nearly 25 years of experience in the machinery industry, UZMA is one of the fastest growing companies and brand names in the world market for Metal Working Machinery with his own production and OEM products.

UZMA Press Brakes and Shears has monoblock steel construction frame and designed to be reliable, durable and precise. Designs, that are carried out on computer including 3D software, support for drawing and strength analysis. For all UZMA products, precise machining with CNC machining center and/or CNC lathes are accompanied with detailed quality control and designed to produce quality repeatable precision works. UZMA has a big production range from full CNC machines to simple mechanical machines for different customer budgets and usage areas. Equipments on the machines are worldwide known brand names like Bosch-Rexroth, Hoerbiger, Givi Misure, Heidenhain, Wila, Delem, Cybelec, ESA, Siemens, Schneider, Mitsubishi, etc.

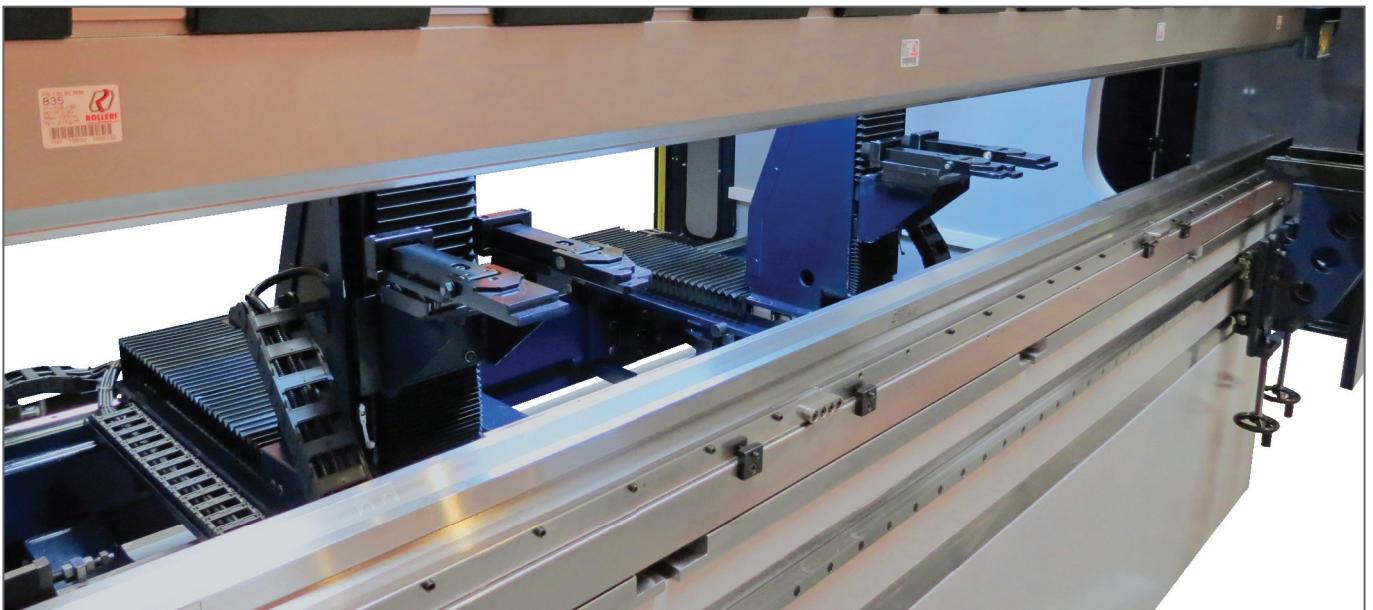
The target of UZMA is to keep the name as a world wide brand name with high quality and affordable prices, we believe in customer satisfaction and after sale service.

Our aim in the world market is to continue to be in a distinguished place and to stay united with the quality.

We know that we can grow only together with our partners and customers, therefore our first target is customer satisfaction.

Your business partner in your production

UZMA synchro CNC press brakes have accurate positioning and repeatability performance, achieved by synchronising the hydraulic cylinders with proportional valves and optical linear scales. At CAP series press brakes, full electronic synchronisation with propotional valve technology assuring maximum bend accuracy and repeatability through constant monitoring and correction of beam parallelism by a CNC system. UZMA CAP series synchro CNC press brakes are produced in 4 sub-series in different configurations, B-Series (Basic), E-Series (Economic), S-Series (Standart) and A-Series (Advanced). The CAP series press brakes are available from simple basic series to high equipped advanced series which can be configured up to eleven axis. UZMA synchro CNC press brakes are calculating and performing facilities after inputting data like material, thickness, bending length, etc., to the CNC control unit. Calibration of cylinder's axes and backgauge, maintained by automatic indexing at the start of CAP series press brakes.



General Features

- Body and upper beam are made of steel constructions.
- All UZMA machines are designed by SOLID WORKS 3D programming and made with enhanced ST44-ST52 quality steel using the latest technology.
- This machine has rigid upper beam and runs with high bending precision.
- High quality and repetitive bendings are obtained by using synchronized cylinders and valves.
- Cylinders, processed from solid full material.
- Chrome coated cylinders are machined with high precision and pistons are specially hardened.
- Worldwide and well-known brands such as HOERBIGER, BOSCH-REXROTH, SCHNEIDER, SIEMENS hydraulic and electrical systems are used on UZMA machines.
- Maximum hydraulic pressure protection by safety valve.
- Electronic overload protection system.
- Optical linear scales are sensitive up to $\pm 0,01$ mm.
- Synchronized working cylinders will give you the best bending result with perfect repeatability ratio.

CAP 40320 Advance

with special cover design



A-Serie Standard Accessories:

- Y1-Y2-X-R-Z1-Z2 axis & C-axis (crowning)
- Available with Delem, Cybelec and Esa CNC touch screen control units
- Pendant control panel for easy operation
- Servo motorised X-R-Z1-Z2 4 axis backgauge
- European (promecam) quick release top tool clamping system
- CNC table crowning system with wedges
- Back light barrier
- Switched side protection panels for safety
- European hydraulic system
- European electrical system
- Linear sliding front support arms
- High stroke, high daylight and high speed



Front laser safety system with safety PLC for CE compatibility



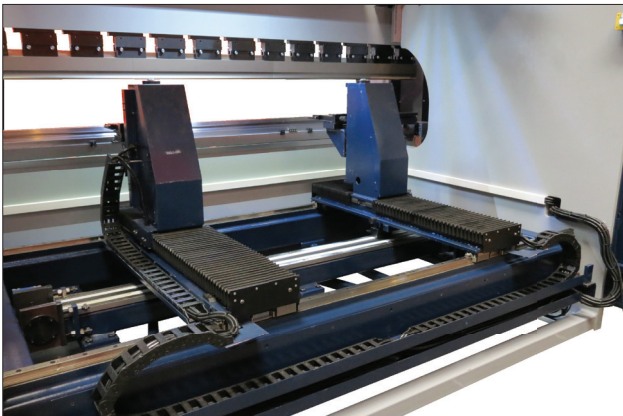
Back light barrier

CAP 30175 Advance



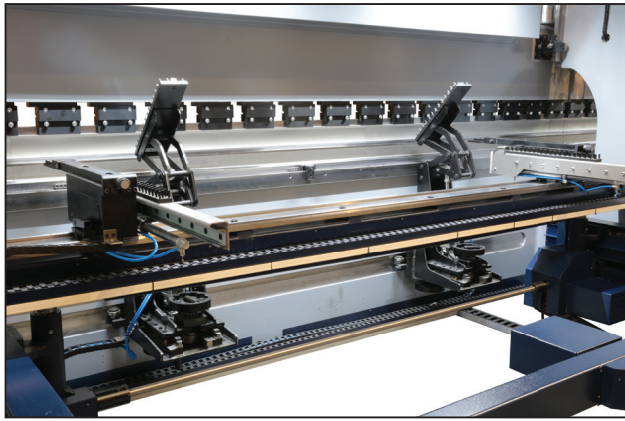
X-R-Z1-Z2 4 axis backgauge

Our heavy duty backgauge is designed according to the size and tonnage of the machine. X axis (forward / reverse) operates on linear ball bearings and ball screw. R axis (Up / down) operates on rack-pinion and linear guiding. Z1-Z2 axis (fingers) operates independently from each other on rack-pinion and linear guiding. This high speed backgauge system is driven by servo motors and providing high precision positioning.



X1-X2-R1-R2-Z1-Z2 6 axis ATF type backgauge

On this backgauge all axis has independent movement and are controlled separately by CNC controller, so the fingers can reach all possible points easily and independently from each other.



Special design backgauge with back sheet followers. Sometimes standard backgauges are not suitable & not enough for our customers needs, in this cases we can provide the machine with special design backgauges for better bending solutions.



CNC sheet followers. Followers helps to keep operators safe while working with large sheets of metal; otherwise that would be difficult to handle. They aren't intended to be used with smaller, lighter sheets. When a bending is made in the metal sheet by the press, the sheet comes up suddenly. This creates a danger in addition to the die coming down, because the sheet can come up and make contact to the operators face or another part of their body. It protects the operator by allowing them to stand away from the device during operation and activates it with a foot pedal from a safe distance.

A Series	BENDING POWER	BENDING LENGTH	DISTANCE BETWEEN COLUMNS	STROKE	DAYLIGHT	THROAT DEPTH	TABLE HEIGHT	OVERALL LENGTH	OVERALL HEIGHT	OVERALL DEPTH	APPROACH SPEED	WORKING SPEED	RETURN SPEED	MOTOR POWER	WEIGHT	OIL TANK	X axis movement distance	R axis movement distance	X axis movement speed	R axis movement speed	Z1,Z2 axis movement speed
MODEL	ton	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm/sec	mm/sec	mm/sec	kw	kg	lt	mm	mm	mm/sec.	mm/sec.	mm/sec.
CAP-A 1240	40	1270	1050	170	387	350	850	2150	2300	1650	140	17	170	5,5	3200	80	500	250	500	350	1000
CAP-A 1260	60	1270	1000	275	530	410	900	2250	2750	1960	200	14	165	7,5	4300	150	500	250	500	350	1000
CAP-A 2040	40	2100	1700	170	387	350	850	2900	2300	1650	140	17	170	5,5	4100	80	500	250	500	350	1000
CAP-A 2060	60	2100	1700	275	530	410	900	3250	2750	1960	200	14	165	7,5	5800	150	500	250	500	350	1000
CAP-A 2560	60	2600	2200	275	530	410	900	3750	2750	1960	200	14	165	7,5	6200	150	500	250	500	350	1000
CAP-A 25100	100	2600	2200	275	530	410	900	3750	2800	1950	200	12	190	11	7000	200	800	250	500	350	1000
CAP-A 25135	135	2600	2200	275	550	410	900	3750	2800	2050	160	12	190	15	8400	300	800	250	500	350	1000
CAP-A 30100	100	3100	2600	275	530	410	900	4250	2800	1950	200	12	190	11	7600	200	800	250	500	350	1000
CAP-A 30135	135	3100	2600	275	550	410	900	4250	2800	2050	200	12	190	15	8800	300	800	250	500	350	1000
CAP-A 30175	175	3100	2600	275	550	410	900	4250	2800	2150	180	12	190	15	9600	300	800	250	500	350	1000
CAP-A 30220	220	3100	2600	275	550	410	900	4550	2850	2250	180	10	185	18,5	11700	300	800	250	500	350	1000
CAP-A 30260	260	3100	2600	275	550	410	900	4550	2900	2350	140	11	135	22	15200	300	800	250	500	350	1000
CAP-A 30320	320	3100	2600	375	650	410	900	4550	3200	2450	140	10,5	150	30	17500	400	800	250	500	350	1000
CAP-A 37175	175	3760	3250	275	550	410	900	4900	2800	2150	180	12	190	15	11100	300	800	250	500	350	1000
CAP-A 37220	220	3760	3250	275	550	410	900	5100	2900	2250	180	10	185	18,5	12800	300	800	250	500	350	1000
CAP-A 37320	320	3760	3250	375	650	410	900	5100	3150	2450	140	10,5	150	30	20800	400	800	250	500	350	1000
CAP-A 40135	135	4100	3600	275	550	410	900	5100	2800	2100	200	12	190	15	10800	300	800	250	500	350	1000
CAP-A 40175	175	4100	3600	275	550	410	900	5100	2850	2150	180	12	190	15	12100	300	800	250	500	350	1000
CAP-A 40220	220	4100	3600	275	550	410	900	5150	3000	2250	180	10	185	18,5	14000	300	800	250	500	350	1000
CAP-A 40260	260	4100	3600	275	550	410	900	5150	3000	2350	140	11	135	22	16900	300	800	250	500	350	1000
CAP-A 40320	320	4100	3600	375	650	410	900	5350	3150	2450	140	10,5	150	30	22600	400	800	250	500	350	1000
CAP-A 40400	400	4100	3550	375	650	510	1000	5450	3470	2650	110	8,4	130	30	27000	400	800	250	500	350	1000
CAP-A 60220	220	6100	5100	275	550	410	1100	7500	3200	2350	130	11	125	18,5	26000	300	800	250	500	350	1000
CAP-A 60320	320	6100	5100	375	650	410	1100	7500	3350	2450	80	10,5	75	30	32000	400	800	250	500	350	1000
CAP-A 60400	400	6100	5100	375	650	510	1100	7650	3750	2650	80	8,4	65	30	40600	400	800	250	500	350	1000

Due to the obligation of CE according to EN 12622 Norm, the bending speed will be max 10mm/sec on CE Certificated Machines. All data are approximate, can be changed without notice.

CAP 30175 Standard

with special cover design



S-Serie Standard Accessories:

- Y1-Y2-X-R axis & C-axis (crowning)
- Available with Delem, Cybelec and Esa CNC touch screen control units
- Pendant control panel for easy operation
- Servo motorised X-R 2 axis backgauge
- European (promecam) quick release top tool clamping system
- CNC table crowning system with wedges
- Back light barrier
- Switched side protection panels for safety
- European hydraulic system
- European electrical system
- Linear sliding front support arms
- High stroke, high daylight and high speed



Quick release clamping system with handle

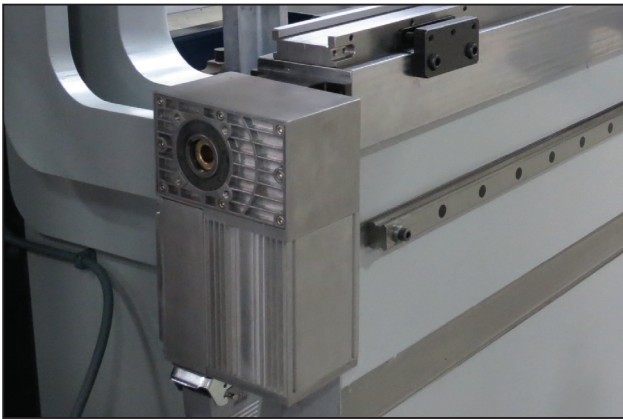


Rolleri top & bottom hydraulic clamping system



Wila top & bottom hydraulic clamping system

CAP 40400 Standard

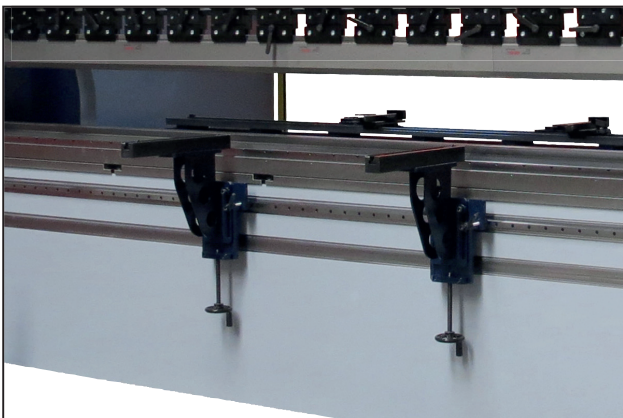


CNC controlled motorized crowning system.
The crowning system consists of two wave-shaped milled wedge plates. Necessary amount of crowning is calculated by CNC controller and is applied automatically.



We provide our pressbrakes with big throat depth in standard. But the throat depth of the machine depends on the sheet width to be bend. We provide also optionally the machines with extended / special throat depth as per customers needs and requests.

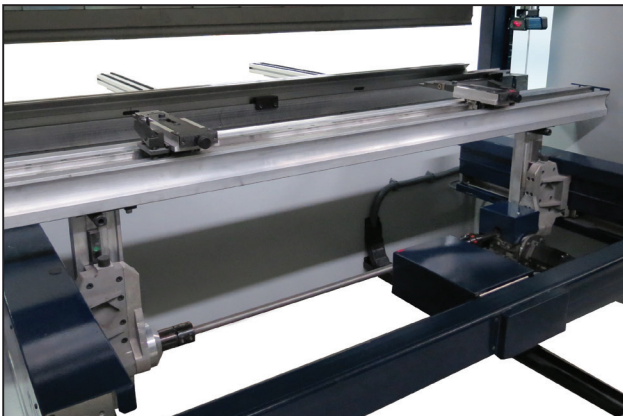
CAP 40500 Standard



Sliding front support arms

2 pcs. front support arms are sliding on linear guide way and ball bearing system that allows soft movement and lateral adjustment as required by the bending length of the machine.

Additional front arms are available as an option.



X-R 2 axis Backgauge

X range 800mm - R range 250mm

Our heavy duty backgauge is designed according to the size and tonnage of the machine. X axis (forward/reverse) operates on linear ball bearings and ball screw. R axis (up/down) operates on rack-pinion and linear guiding.

2 x CAP 40220 in Tandem

with sheet followers
& extraction system



S Series	BENDING POWER	BENDING LENGTH	DISTANCE BETWEEN COLUMNS	STROKE	DAYLIGHT	THROAT DEPTH	TABLE HEIGHT	OVERALL LENGTH	OVERALL HEIGHT	OVERALL DEPTH	APPROACH SPEED	WORKING SPEED	RETURN SPEED	MOTOR POWER	WEIGHT	OIL TANK	X Axis movement distance	R Axis movement distance	X Axis movement speed	R Axis movement speed
MODEL	ton	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm/sec	mm/sec	mm/sec	kw	kg	lt	mm	mm	mm/sec	mm/sec
CAP-S 2040	40	2100	1700	170	387	350	850	2900	2300	1650	140	17	170	5,5	3950	80	500	250	500	350
CAP-S 2060	60	2100	1700	275	530	410	900	3250	2750	1960	200	14	165	7,5	5650	150	500	250	500	350
CAP-S 2560	60	2600	2200	275	530	410	900	3750	2750	1960	200	14	165	7,5	6050	150	500	250	500	350
CAP-S 25100	100	2600	2200	275	530	410	900	3750	2800	1950	200	9,5	155	7,5	6850	150	800	250	500	350
CAP-S 30100	100	3100	2600	275	530	410	900	4250	2800	1950	200	9,5	155	7,5	7450	150	800	250	500	350
CAP-S 30135	135	3100	2600	275	550	410	900	4250	2800	2050	200	10	120	11	8650	200	800	250	500	350
CAP-S 30175	175	3100	2600	275	550	410	900	4250	2800	2150	180	10	135	15	9450	200	800	250	500	350
CAP-S 30220	220	3100	2600	275	550	410	900	4550	2850	2250	180	11	160	18,5	11500	300	800	250	500	350
CAP-S 30260	260	3100	2600	275	550	410	900	4550	2900	2350	140	11	135	22	15000	300	800	250	500	350
CAP-S 30320	320	3100	2600	375	650	410	900	4550	3200	2450	140	10,5	150	30	16800	400	800	250	500	350
CAP-S 37175	175	3760	3250	275	550	410	900	4900	2800	2150	180	10	135	15	10950	200	800	250	500	350
CAP-S 37220	220	3760	3250	275	550	410	900	5100	2900	2250	180	11	160	18,5	12600	300	800	250	500	350
CAP-S 37320	320	3760	3250	375	650	410	900	5100	3150	2450	140	10,5	150	30	20000	400	800	250	500	350
CAP-S 40135	135	4100	3600	275	550	410	900	5100	2800	2100	200	10	120	11	10650	200	800	250	500	350
CAP-S 40175	175	4100	3600	275	550	410	900	5100	2850	2150	180	10	135	15	11950	200	800	250	500	350
CAP-S 40220	220	4100	3600	275	550	410	900	5150	3000	2250	180	11	160	18,5	13800	300	800	250	500	350
CAP-S 40260	260	4100	3600	275	550	410	900	5150	3000	2350	140	11	135	22	16700	300	800	250	500	350
CAP-S 40320	320	4100	3600	375	650	410	900	5350	3150	2450	140	10,5	150	30	21750	400	800	250	500	350
CAP-S 40400	400	4100	3550	375	650	510	1000	5450	3470	2650	110	8,4	130	30	26330	400	800	250	500	350
CAP-S 60220	220	6100	5100	275	550	410	1100	7500	3200	2350	130	11	125	18,5	25800	300	800	250	500	350
CAP-S 60320	320	6100	5100	375	650	410	1100	7500	3350	2450	80	10,5	75	30	30900	400	800	250	500	350
CAP-S 60400	400	6100	5100	375	650	510	1100	7650	3750	2650	80	8,4	65	30	39700	400	800	250	500	350

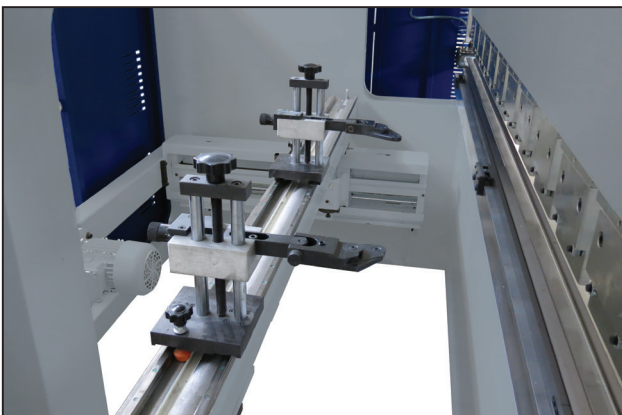
Due to the obligation of CE according to EN 12622 Norm, the bending speed will be max. 10mm/sec on CE Certified Machines.
All data are approximate - can be changed without notice.

CAP 30175 Eco



E-Serie Standard Accessories:

- Y1-Y2-X axis
- Available with CybeleC and Esa CNC touch screen control units
- Pendant control panel for easy operation
- X-axis backgauge
- European (promecam) quick release top tool clamping system
- Back light barrier
- Switched side protection panels for safety
- European hydraulic system
- European electrical system
- Linear sliding front support arms
- High stroke, high daylight and high speed



X single axis backgauge

X range 800mm

Our heavy duty backgauge is designed according to the size and tonnage of the machine. X axis (forward/reverse) operates on linear ball bearings and ball screw. Manual R axis (up & down) adjustment is made easily with handle from the top of fingers. Optional X - R backgauge is available on request.

CAP 25100 Eco

with custom made
cover design



E Series	BENDING POWER	BENDING LENGTH	DISTANCE BETWEEN COLUMNS	STROKE	DAYLIGHT	THROAT DEPTH	TABLE HEIGHT	OVERALL LENGTH	OVERALL HEIGHT	OVERALL DEPTH	APPROACH SPEED	WORKING SPEED	RETURN SPEED	MOTOR POWER	WEIGHT	OIL TANK	X Axis movement distance	X Axis movement speed
MODEL	ton	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm/sec	mm/sec	mm/sec	kw	kg	lt	mm	mm/sec.
CAP-E 1240	40	1270	1050	170	387	350	850	2150	2300	1650	140	17	170	5,5	3050	80	800	230
CAP-E 1260	60	1270	1000	275	530	410	900	2250	2750	1960	200	14	165	7,5	4150	150	800	230
CAP-E 2040	40	2100	1700	170	387	350	850	2900	2300	1650	140	17	170	5,5	3950	80	800	230
CAP-E 2060	60	2100	1700	275	530	410	900	3250	2750	1960	200	14	165	7,5	5650	150	800	230
CAP-E 2560	60	2600	2200	275	530	410	900	3750	2750	1960	200	14	165	7,5	6050	150	800	230
CAP-E 25100	100	2600	2200	275	530	410	900	3750	2800	1950	200	9,5	155	7,5	6850	150	800	230
CAP-E 30100	100	3100	2600	275	530	410	900	4250	2800	1950	200	9,5	155	7,5	7450	150	800	230
CAP-E 30135	135	3100	2600	275	550	410	900	4250	2800	2050	200	10	120	11	8650	200	800	230
CAP-E 30175	175	3100	2600	275	550	410	900	4250	2800	2150	180	10	135	15	9450	200	800	230
CAP-E 30220	220	3100	2600	275	550	410	900	4550	2850	2250	180	11	160	18,5	11500	300	800	230
CAP-E 30260	260	3100	2600	275	550	410	900	4550	2900	2350	140	11	135	22	15000	300	800	230
CAP-E 30320	320	3100	2600	375	650	410	900	4550	3200	2450	140	10,5	150	30	16800	400	800	230
CAP-E 37175	175	3760	3250	275	550	410	900	4900	2800	2150	180	10	135	15	10950	200	800	230
CAP-E 37220	220	3760	3250	275	550	410	900	5100	2900	2250	180	11	160	18,5	12600	300	800	230
CAP-E 37320	320	3760	3250	375	650	410	900	5100	3150	2450	140	10,5	150	30	20000	400	800	230
CAP-E 40135	135	4100	3600	275	550	410	900	5100	2800	2100	200	10	120	11	10650	200	800	230
CAP-E 40175	175	4100	3600	275	550	410	900	5100	2850	2150	180	10	135	15	11950	200	800	230
CAP-E 40220	220	4100	3600	275	550	410	900	5150	3000	2250	180	11	160	18,5	13800	300	800	230
CAP-E 40260	260	4100	3600	275	550	410	900	5150	3000	2350	140	11	135	22	16700	300	800	230
CAP-E 40320	320	4100	3600	375	650	410	900	5350	3150	2450	140	10,5	150	30	21750	400	800	230
CAP-E 40400	400	4100	3550	375	650	510	1000	5450	3470	2650	110	8,4	130	30	26330	400	1000	230
CAP-E 60220	220	6100	5100	275	550	410	1100	7500	3200	2350	130	11	125	18,5	25800	300	800	230
CAP-E 60320	320	6100	5100	375	650	410	1100	7500	3350	2450	80	10,5	75	30	30900	400	800	230
CAP-E 60400	400	6100	5100	375	650	510	1100	7650	3750	2650	80	8,4	65	30	39700	400	1000	230

Due to the obligation of CE according to EN 12622 Norm, the bending speed will be max 10mm/sec on CE Certified Machines.
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CAP 40200 Basic



B-Series Standard Accessories:

- Y1-Y2-X axis
- Available with Cybelelec and Esa CNC touch screen control units
- Pendant control panel for easy operation
- X-axis backgauge
- European (promecam) quick release top tool clamping system
- Back light barrier
- Switched side protection panels for safety
- European hydraulic system
- European electrical system
- Front support arms

B Series	BENDING POWER	BENDING LENGTH	DISTANCE BETWEEN COLUMNS	STROKE	DAYLIGHT	THROAT DEPTH	TABLE HEIGHT	OVERALL LENGTH	OVERALL HEIGHT	OVERALL DEPTH	APPROACH SPEED	WORKING SPEED	RETURN SPEED	MOTOR POWER	WEIGHT	OIL TANK	X Axis movement distance	X Axis movement speed
MODEL	ton	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm/sec	mm/sec	mm/sec	kw	kg	lt	mm	mm/sec.
CAP-B 2580	80	2600	2200	160	380	250	900	3750	2400	1950	90	7,5	60	5,5	5220	150	800	230
CAP-B 3080	80	3100	2600	160	380	250	900	4360	2400	1950	90	7,5	60	5,5	5790	150	800	230
CAP-B 30120	120	3100	2600	160	385	250	900	4250	2500	1900	90	7,5	65	7,5	6910	150	800	230
CAP-B 30160	160	3100	2600	160	395	250	900	4250	2550	1900	90	6,1	60	7,5	7520	200	800	230
CAP-B 30200	200	3100	2600	180	415	250	900	4450	2650	2050	100	7	75	11	9310	200	800	230
CAP-B 37160	160	3760	3250	160	395	250	900	4910	2550	1900	90	6,1	60	7,5	8510	200	800	230
CAP-B 37200	200	3760	3250	160	415	250	900	5110	2650	2050	100	7	75	11	10440	200	800	230
CAP-B 40120	120	4100	3600	160	385	250	900	5050	2500	1900	90	7,5	65	7,5	8640	150	800	230
CAP-B 40160	160	4100	3600	160	395	250	900	5050	2550	1900	90	6,1	60	7,5	9210	200	800	230
CAP-B 40200	200	4100	3600	180	415	250	900	5150	2650	2050	100	7	75	11	11290	200	800	230

All data are approximate, can be changed without notice.

HVS Serie CNC Variable Rake Shears

UZMA HVS variable rake shears are produced by construction of steel into a very rigid structure to allow minimum deflection during the operation. The rake angle adjustment is done hydraulically, reducing the rake gives an advantage in reducing distortion on thin narrow strips also increase the cut quality and cut per minute.

The UZMA HVS variable rake shears are equipped with CNC control unit. When operator simply enters the material type, thickness, cutting length, cutting and width than the CNC will automatically calculate and adjust the blade clearance, rake angle and backgauge position accordingly.

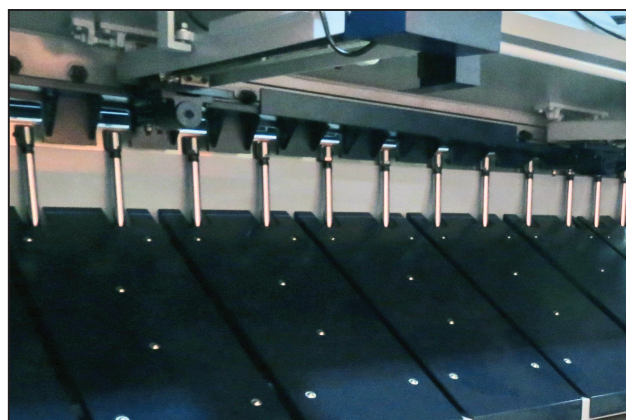
Today HVS series shears are one of the most advanced production shears and provides a excellent cut with perfect speed. Full automatic UZMA HVS series shear with precise cutting, high performance and simple usage will add value to your production.





HVS Series Standard Accessories:

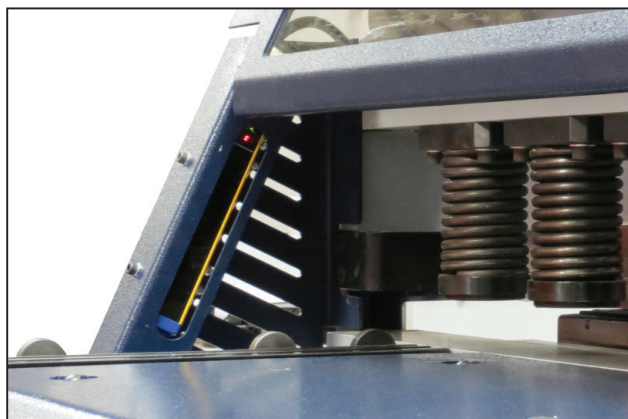
- Cybelelec CNC control unit (2D color-touch screen)
- CNC controlled cutting length (stroke) adjustment
- CNC controlled backgauge adjustment
- CNC controlled rake angle adjustment
- CNC controlled automatic blade gap adjustment
- Automatic calculations of cutting functions upon material specifications
- Automatic swing-up backgauge
- 1m flip-up openable finger guard with switch protection
- Back side protection panels & rear light barrier
- Rear sheet sliding plates
- Shadow line illumination
- Squaring arm with ruler & t-slot & tilting stop
- Ball transfer tables



Anti Twist system;

This consists in a system of cylinders installed in the lower part of the guillotine shear. This system apply a counter-pressure to the sheet metal against the upper blade and thus compensating the twist effect of the sheet especially at thick and narrow cuts.

HVS 6006



Light curtains for
finger protection



1m flip-up openable finger guard with
switch protection

HVS	CUTTING CAPACITY	CUTTING CAPACITY	CUTTING LENGTH	SHARING ANGLE	HOLDDOWN CYLINDER	STROKE PER MINUTE	THROAT DEPTH	TABLE HEIGHT	BACKGAUGE MOVEMENT DISTANCE	BACKGAUGE SPEED	OIL TANK	MOTOR POWER	LENGTH	HEIGHT	WIDTH	APPROX. WEIGHT
	42 kg/mm ²	70 kg/mm ²	mm	degree/grad	piece/stuck	1/min	mm	mm	mm	mm/sec	lt	kw	mm	mm	mm	kg
TYPE / TYP	mm	mm	mm	degree/grad	piece/stuck	1/min	mm	mm	mm	mm/sec	lt	kw	mm	mm	mm	kg
HVS 3006	6	4	3100	0,5-1,5	14	16-24	350	900	1000	110	150	11	4980	2225	2315	7820
HVS 3010	10	6	3100	0,5-2,0	14	12-22	350	900	1000	110	260	22	5100	2250	2425	11000
HVS 3013	13	8	3100	0,5-2,0	14	11-20	350	900	1000	110	310	22	5110	2400	2570	13300
HVS 3016	16	10	3100	0,5-2,5	14	9-16	350	900	1000	110	500	30	5210	2450	2700	18700
HVS 3020	20	13	3100	0,5-2,5	14	7-13	350	900	1000	110	500	37	5220	2550	2700	20700
HVS 4006	6	4	4100	0,5-1,5	18	14-22	350	950	1000	110	150	11	6000	2320	2315	10500
HVS 4010	10	6	4100	0,5-2,0	18	10-17	350	1000	1000	110	260	22	6100	2460	2580	17000
HVS 4013	13	8	4100	0,5-2,0	18	9-15	350	1000	1000	110	310	22	6120	2600	2700	20000
HVS 4016	16	10	4100	0,5-2,5	18	7-13	350	1000	1000	110	500	30	6220	2700	2700	26500
HVS 4020	20	13	4100	0,5-2,5	18	6-11	350	1000	1000	110	500	37	6220	2700	2700	31000
HVS 6006	6	4	6100	0,5-1,5	26	9-15	350	1000	1000	110	260	22	8250	2725	2475	26415
HVS 6010	10	6	6100	0,5-2,0	18	8-13	350	1100	1000	110	260	22	8265	2725	2575	28800
HVS 6013	13	8	6100	0,5-2,0	18	6-11	350	1100	1000	110	310	22	8365	2825	2635	32300
HVS 6016	16	10	6100	0,5-2,5	18	5-9	350	1100	1000	110	500	30	8400	2995	2700	41100

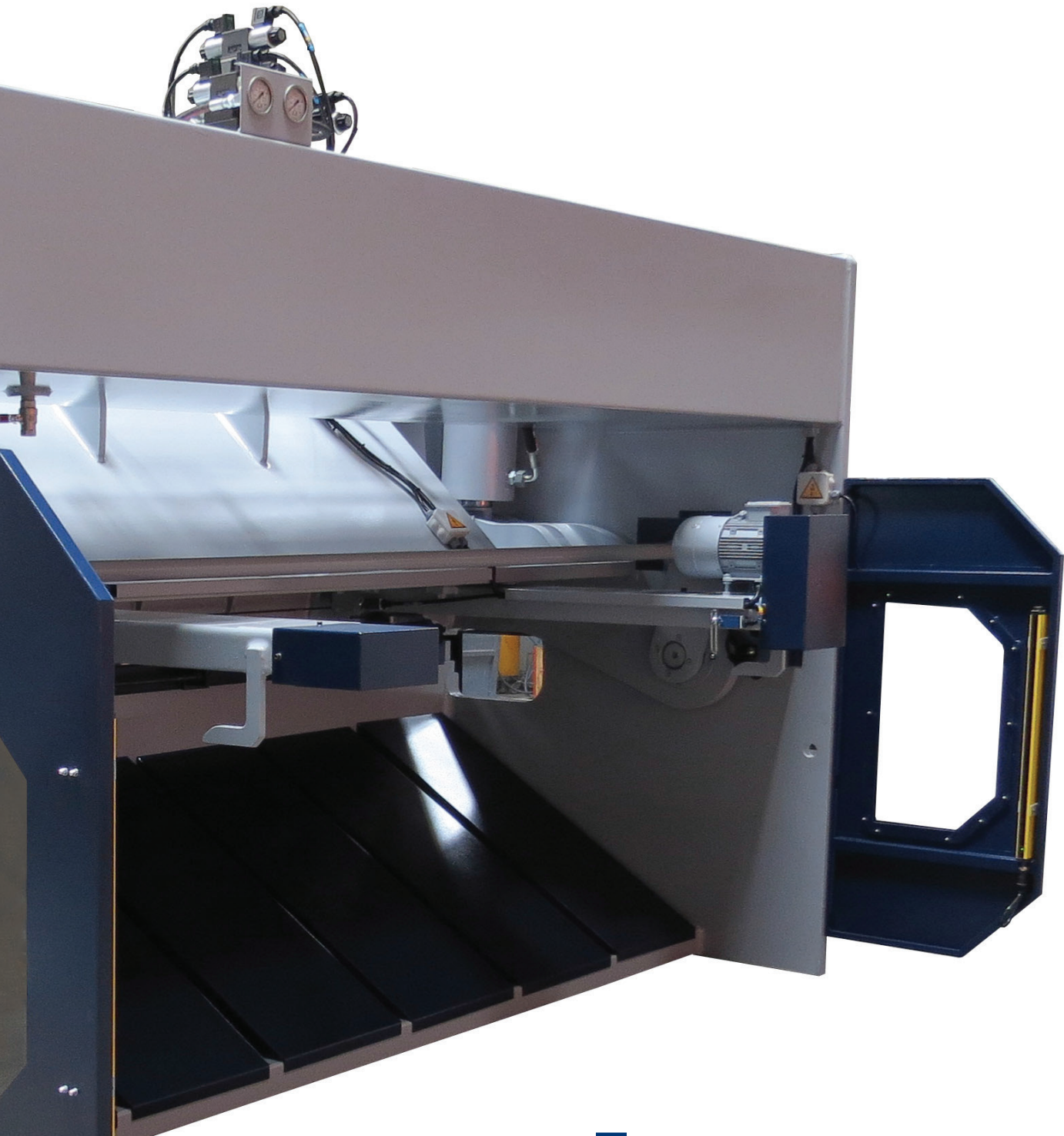
All data are approximate, can be changed without notice.

HSB Serie CNC Swing Beam Shears

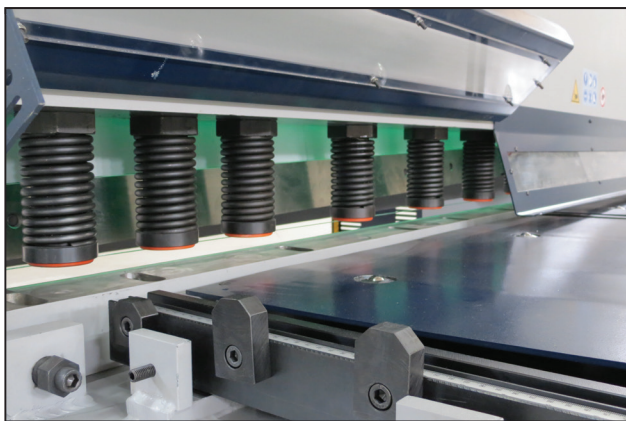
HSB serie heavy duty CNC swing beam shears has steel constructed frame with the usage of rigid structural steel and by design construction, machine provides reliable, fast and accurate shearing. The one piece welded frame is machined at one time on a CNC moving column machining center, the upper beam (swing beam) has a very rigid box frame steel construction. This allows the (rake) angle of the upper blade to be at very low level and as a result it's reducing distortion on the sheared part.

As standard on UZMA HSB shears, backgauge bar swings with the cutting beam to prevent material from jamming and additionally to feed longer sheets, the backgauge bar swings up automatically after the travel of the backgauge to the end position.

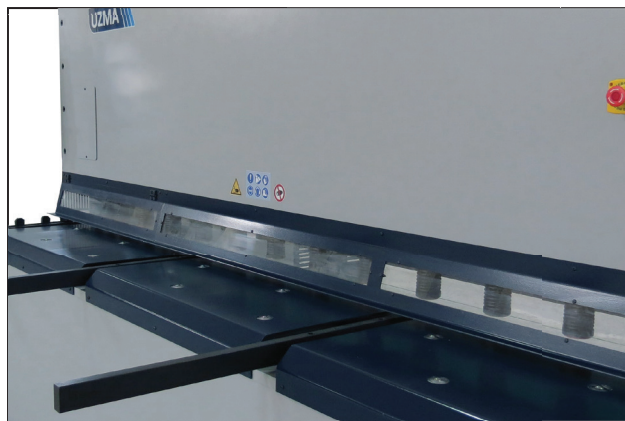
HSB serie shears are designed from 2 meter up to 4 meter and from 6mm up to 20mm sheets. Heavy duty UZMA HSB serie heavy duty CNC swing beam shears with rigid body, low cost of operation, easy maintenance and simple usage will add value to your production.



HSB 3016



Holddown cylinders with rubber pads



Ball transfer tables

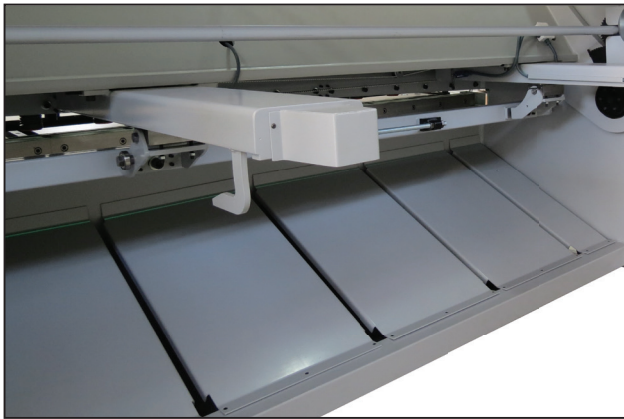
HSB Serie Standard Accessories:

- Cybelelec CNC control unit (2D color-touch screen)
- CNC controlled cutting length (stroke) adjustment
- CNC controlled back gauge adjustment
- CNC controlled automatic blade gap adjustment
- Pendant control panel
- Automatic calculations of cutting functions upon material specifications
- Automatic swing-up backgauge
- 1m flip-up openable finger guard with switch protection
- Back side protection panels & rear light barrier
- Rear sheet sliding plates
- Shadow line illumination
- Squaring arm with ruler & t-slot & tilting stop
- Ball transfer tables

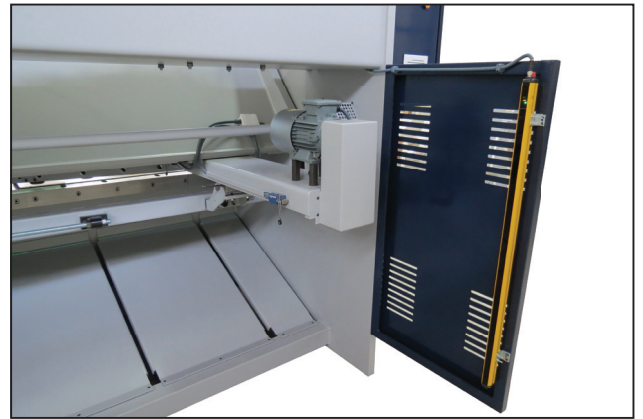


Pneumatic thin sheet support device

HSB 3010



Backgauge
Sheet sliding plates



Rear light barrier for safety

H S B	CUTTING CAPACITY		CUTTING LENGTH	SHARING ANGLE	HOLDDOWN CYLINDER	STROKE PER MINUTE	TABLE HEIGHT	BACKGAUGE MOVEMENT DISTANCE	BACKGAUGE SPEED	OIL TANK	MOTOR POWER	LENGTH	HEIGHT	WIDTH	APPROX WEIGHT
	42 kg/mm ²	70 kg/mm ²													
TYPE / TYP	mm	mm	mm	degrees/grad°	piece/stick	1/min	mm	mm	mm/sec	lt	kw	mm	mm	mm	kg
HSB 3006	6	4	3100	1,5	14	16	900	1000	110	150	11	3925	2100	2900	6600
HSB 3008	8	5	3100	1,5	14	14	900	1000	110	250	18,5	4000	2125	2950	8500
HSB 3010	10	6	3100	2	14	13	900	1000	110	260	22	3880	2175	3000	9100
HSB 3013	13	8	3100	2	14	11	900	1000	110	310	22	3900	2235	3150	11200
HSB 3016	16	10	3100	2,5	14	10	900	1000	110	500	30	4050	2450	2960	16000
HSB 3020	20	13	3100	2,5	14	8	900	1000	110	500	37	4350	2500	3200	21000
HSB 4006	6	4	4100	1,5	18	4	950	1000	110	150	11	4900	2150	2900	9000
HSB 4008	8	5	4100	1,5	18	12	950	1000	110	250	18,5	5000	2175	2900	10500
HSB 4010	10	6	4100	2	18	10	1000	1000	110	260	22	5050	2275	3100	13000
HSB 4013	13	8	4100	2	18	9	1000	1000	110	310	22	5150	2335	3130	15250
HSB 4016	16	10	4100	2,5	18	8	1000	1000	110	500	30	5020	2575	3150	22000

MG-R & MG Serie Mechanical Shears

The MG-R and MG line mechanical shears with steel construction frame and reduction gear is designed for perfect cutting quality of sheet metal. These machines are suitable for light gauge metal shearing requirements. The silent running, direct drive system with brake motor and low energy-consumption provides efficient operation with economical price.

Especially the design of model MG-R shears with return to sender is based on heavy duty MG mechanical guillotine. It has an adjustable blade gap adjustment, high quality standard equipments with an attractive design that all together with high speed, accurate cutting, efficient performance and simple usage will add value to your production. What you get here is high technology and top design that fully meet your all demands.



MG-R 2003

with return to sender



Time Saving & More Productivity

While the cut parts being returned to the front of the machine, there is no need to access the rear of the machine during working period, that means time-saving and more productivity. Because when an operator retrieves parts from the rear of the machine, than it's necessary to reset the back safety guards, also losing time by walking back and front.



Touch screen NC control



Easy blade gap adjustment

MG-R Serie Standard Accessories:

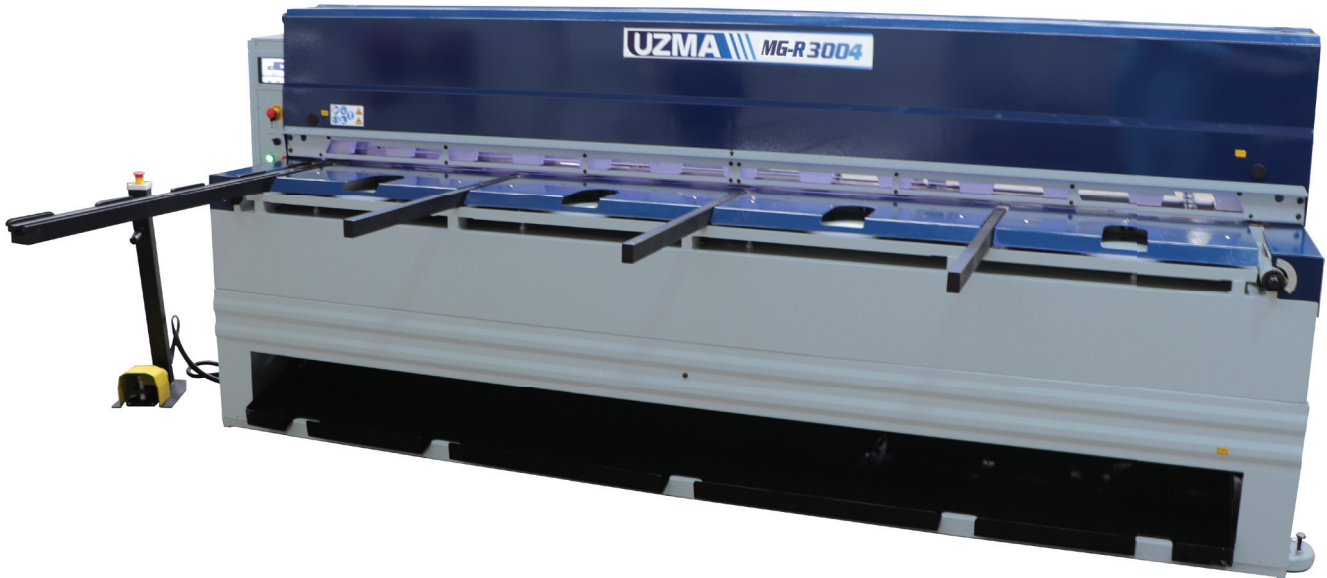
- Touch screen NC control
- Programmable motorized backgauge with 750mm travel
- Pneumatic sheet support with return to sender and send to rear feature
- 1 pcs. squaring arm with scale
- 2 pcs. sheet support arm
- Finger protect
- Ball transfer table
- Cutting line lighting with shadow line
- Easy blade gap adjustment from front
- Ballscrew
- Cut counter
- Portable foot control with emergency stop button
- Photocell on the back safety guards



Cutting line lighting with shadow line

MG-R 3004

with return to sender



The pneumatic back support allows to move cut pieces according to production needs. There are 2 operation positions for it;

1 st position : Send to rear

It lowers during the cutting phase and then tilts back to let the cut piece slide away to the rear.

2 nd position : Return to sender

It lowers during the cutting phase and then tilts front to let the cut piece slide away into the sheet tray, to return to the sender.

MG-R	CUTTING CAPACITY	CUTTING LENGTH	SHARING ANGLE	STROKE PER MINUTE	TABLE HEIGHT	TABLE WIDTH	BACKGALUGE MOVEMENT DISTANCE	LENGTH	HEIGHT	WIDTH	MOTOR POWER	APPROX WEIGHT
TYPE / TYP	mm	mm	degree / grad°	1/min,	mm	mm	mm	mm	mm	mm	kw	kg
MG-R 1303	3	1360	2,1°	35	810	410	750	1920	1260	2100	3+0,55	1400
MG-R 1503	3	1560	1,8°	35	810	410	750	2100	1260	2100	3+0,55	1700
MG-R 2003	3	2060	1,3°	35	810	410	750	2650	1260	2100	4+0,55	2000
MG-R 2525	2,5	2560	1,3°	35	810	410	750	3150	1260	2100	4+0,55	2200
MG-R 3002	2	3060	1,3°	35	810	390	750	3650	1260	2100	4+0,55	2300
MG-R 1106	6	1100	2°	31	800	455	750	1750	1400	2250	7,5+0,55	2050
MG-R 1406	6	1400	2°	31	800	455	750	2050	1400	2250	7,5+0,55	2300
MG-R 1505	5	1560	2°	31	800	455	750	2250	1400	2250	7,5+0,55	2370
MG-R 2004	4	2060	1,3°	31	800	455	750	2600	1400	2250	7,5+0,55	3100
MG-R 2504	4	2560	1,3°	31	800	455	750	3100	1400	2250	7,5+0,55	3600
MG-R 3004	4	3060	1,3°	31	800	455	750	3600	1400	2250	11+0,55	4150

All data are approximate, can be changed without notice.

MG 2004



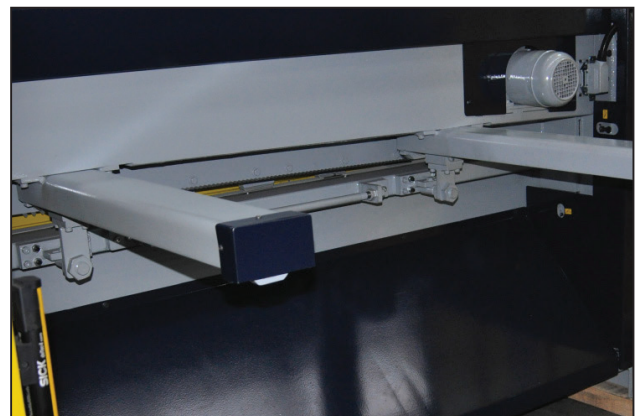
The MG line 4 mm series mechanical shears are equipped as standard with ball transfer tables for easier sheet feeding and reducing marking on the materials.

MG Serie Standard Accessories:

- NC control
- Motorized ballscrew backgauge
- Squaring arm & front support arms
- Ball transfer table (only on 4-5-6 mm series)
- Cutting line lighting
- Shadow line (only on 4-5-6 mm series)
- Easy blade gap adjustment (only on 4-5-6 mm series)
- Cut counter
- Portable foot pedal with emergency stop button
- Photocell on the back safety guards



Back light barrier for safety



The MG line mechanical shears are standard with 750mm motorized ball screw backgauge.



The MG line mechanical shears are standard with NC control which provides “multi-step” and “touch and go” programming features for the backgauge.

MG	CUTTING CAPACITY	CUTTING LENGTH	SHARING ANGLE	STROKE PER MINUTE	TABLE HEIGHT	TABLE WIDTH	BACKGAUGE MOVEMENT DISTANCE	LENGTH	HEIGHT	WIDTH	MOTOR POWER	APPROX WEIGHT
TYPE / TYP	mm	mm	degree/grad	1/min.	mm	mm	mm	mm	mm	mm	kw	kg
MG 1303	3	1360	2,1°	35	810	390	750	1920	1260	2100	3+0,55	1250
MG 1503	3	1560	1,8°	35	810	390	750	2100	1260	2100	3+0,55	1500
MG 2003	3	2060	1,3°	35	810	390	750	2650	1260	2100	4+0,55	1750
MG 2525	2,5	2560	1,3°	35	810	390	750	3150	1260	2100	4+0,55	1950
MG 3002	2	3060	1,3°	35	810	390	750	3650	1260	2100	4+0,55	2200
MG 1106	6	1100	2°	31	800	455	750	1750	1400	2250	7,5+0,55	2000
MG 1406	6	1400	2°	31	800	455	750	2050	1400	2250	7,5+0,55	2300
MG 1505	5	1560	2°	31	800	455	750	2250	1400	2250	7,5+0,55	2500
MG 2004	4	2060	1,3°	31	800	455	750	2600	1400	2250	7,5+0,55	3000
MG 2504	4	2560	1,3°	31	800	455	750	3100	1400	2250	7,5+0,55	3500
MG 3004	4	3060	1,3°	31	800	455	750	3600	1400	2250	11+0,55	4000

All data are approximate, can be changed without notice.

UKM series UZMA iron workers are produced as single cylinder and double cylinder models. The single cylinder models has 4 standard stations and the double cylinder models has 5 standard stations, which is capable of a wide range of applications. UZMA iron workers built for high power, quality, reliability and this very durable machines are ideal for cutting all range of angle, I beam and U-section, straight or 45°. Multi station work enables punching, cutting, notching on the same machine.

WORK STATIONS

1-Punching:

With the punching tool, different diameter holes at different thicknesses can be made easily and efficiently. The punches and dies are interchangeable and easy to change. Special tools and punches are available upon request.

2-Steel Bar Shearing:

With this part of the machine square and round bars can be cut quickly. By changing the tools you can also cut U-I or T sections. Special blades are available upon request.

3-Angle Shear:

Here with the help of special blades you can cut several types of any angle at 90° or 45° angle sections efficiently.

4-Sheet Metal Shear:

You can do daily sheet metal cutting jobs very easily with shear station.

5-Notching:

The machine comes with a rectangular notching tool which you can use for general purpose. Special V- notching tools are also available upon request.



UKM 65



UKM Serie Standard Accessories:

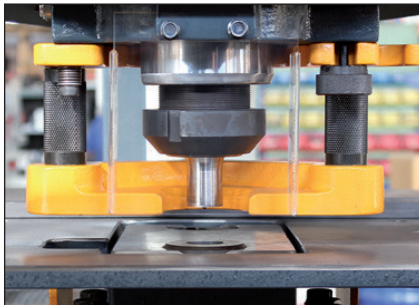
- 2 separate hydraulic piston and foot pedal to allow 2 operator to work at the same time (on UKM 55-65- ... - 175)
- One hydraulic piston, 5 work station. (on UKM 45-60)
- One hydraulic piston, 4 work station. No notching station. (on UKM 40)
- * More productivity with adjustable piston stroke distance
- Central lubrication system
- Electrical backgauge (on UKM 55-65- ... - 175)
- Working light (on UKM 55-65- ... - 175)



Working light



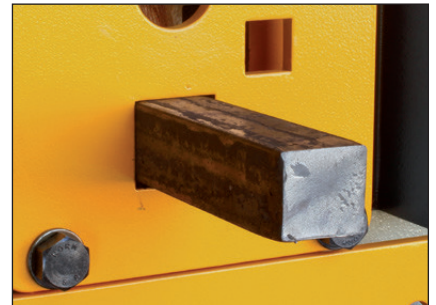
Electrical backgauge



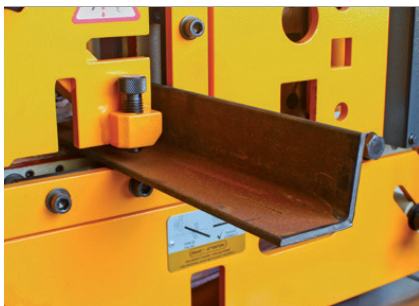
① Punching station



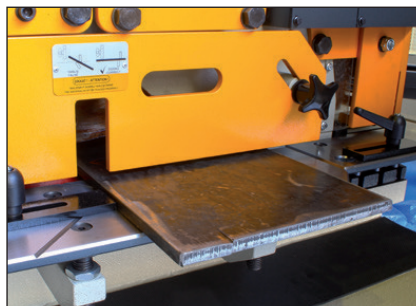
② Steel bar shearing station



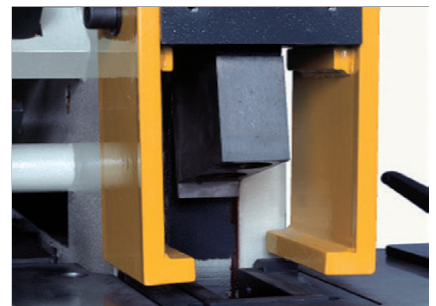
② Steel bar shearing station



③ Angle shearing station



④ Sheet metal shear station



⑤ Notching station

UKM 65 Vertical



UKM 60

UKM			40	45	60	55	65	85	115	175	
	A	Diameter x max. thickness (mm)	Ø 20 x 15	Ø 22 x 15	Ø 28 x 15	Ø 20 x 20	Ø 26 x 20	Ø 33 x 20	Ø 34 x 26	Ø 40 x 32	
		Diameter x thickness (mm)	Ø 30 x 10	Ø 38 x 8	Ø 38 x 11	Ø 40 x 10	Ø 57 x 10	Ø 57 x 12	Ø 55 x 16	Ø 57 x 22	
		Max. diameter x thickness (mm)	Ø 38 x 8	Ø 100 x 3	Ø 110 x 3	Ø 100 x 3	Ø 110 x 3	Ø 110 x 4	Ø 110 x 5	Ø 125 x 5	
		Stroke (mm)	50	50	55	60	55	80	80	80	
		Stroke count in (20 mm)	20	20	25	25	25	25	25	22	
		Throat depth (mm)	175	175	220	255	305	355	355	625	
	1		Working height (mm)	970	935	955	1030	1030	1080	1110	1130
1	B	Round / Square (mm)	Ø 30 □ 25	Ø 30 □ 25	Ø 40 □ 35	Ø 40 □ 40	Ø 45 □ 45	Ø 50 □ 50	Ø 55 □ 50	Ø 60 □ 55	
	C	Angle section (90°) (mm)	80 x 80 x 8	100 x 100 x 10	120 x 120 x 12	120 x 120 x 12	120 x 120 x 12	150 x 150 x 15	150 x 150 x 16	200 x 200 x 20	
		Angle section (45°) (mm)	50 x 6	70 x 6	80 x 8	70 x 10	70 x 10	80 x 8	80 x 10	80 x 10	
	1		Working height (mm)	1110	1140	1155	1130	1140	1200	1215	1130
	D	Sheet metal (mm)	200 x 13	200 x 15	200 x 20	200 x 20	300 x 20	380 x 20	380 x 25	380 x 30	
		Sheet metal (mm)	300 x 6	300 x 12	300 x 15	300 x 15	375 x 15	480 x 15	600 x 15	600 x 20	
		Blade Length (mm)	356	316	317	317	380	482	610	610	
		Shering with angle (mm)	80 x 10	80 x 10	80 x 10	80 x 15	100 x 15	120 x 15	120 x 15	120 x 15	
	1		Working height (mm)	980	935	955	900	900	940	935	810
	E	Thickness (mm)	—	8	10	10	10	13	13	16	
		Width (mm)	—	35	42	45	45	52	60	60	
		Depth (mm)	—	75	100	90	90	100	100	100	
	1		Working height (mm)	—	935	955	900	900	940	935	910
	F	U-I Section blades (for UPN - IPN cutting) (mm)	76 x 38	80 x 45	80 x 45	120 x 58	120 x 58	160 x 74	200 x 90	300 x 125	
		T Section Blades (mm)	38 x 6	40 x 5	80 x 9	80 x 9	90 x 11	100 x 11	120 x 13	150 x 15	
		Special V-Notching tooling (mm)	—	100 x 100 x 8	100 x 100 x 10	100 x 100 x 10	100 x 100 x 10	100 x 100 x 13	100 x 100 x 13	100 x 100 x 16	
		V - bending Press Brake	Bar bend max. (mm)	—	100 x 12	100 x 12	250 x 12	250 x 15	250 x 20	250 x 22	250 x 25
			Sheet bend max. (mm)	—	—	—	500 x 3	500 x 3	500 x 4	700 x 3	700 x 4
	2	Punching on notcher	Throat dept (mm)	—	85	110	125	125	125	125	125
			Max. capacity (mm)	—	Ø 18 x 12	Ø 20 x 12	Ø 38 x 8	Ø 38 x 8	Ø 38 x 10	Ø 38 x 12	Ø 38 x 13
1 Standard Equipments 2 Optional Equipments		Motor power (kw)	3	4	4	5,5	5,5	7,5	11	11	
		Length (mm)	1110	1430	1520	1500	1700	1920	2040	2730	
		Width (mm)	800	950	950	950	950	950	950	1150	
		Height (mm)	1520	1680	1780	1880	1880	2040	2180	2280	
		Approx Weight (kg)	580	1165	1440	1520	1600	2315	2920	6000	
		Power (Pressure) (ton)	40	45	60	55	65	85	115	175	

1 • Standard Equipments

2 • Optional Equipments



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