LAMBA P+S

NC Guillotine Shearing Machine

CNC Hydraulic Press Brake

LAMBA P+S

LAMBA PRESS & SHEARS

Unmatched Quality. Unimagined Price.


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LAMBA PRESS & SHEARS

COMPANY INTRODUCTION

We are one of the leading manufacturers of sheet metal machinery i.e. HYDRAULIC PRESS BRAKE, GUILLOTINE SHEARING MACHINE AND HYDRAULIC IRON WORKERS. We are a 45-year-old ISO 9001-2000 company and have the most modern machine manufacturing facility consisting of MECOF ELGA MILLS UPTO 6 METERS LENGTH, WMW Table borers and CNC Turning centers, to name a few.We have cranes for handling machinery of upto 50 ton , we employee more than 100 people in our company and have all the required manufacturing facilities in house.We also manufacture N.C Hydraulic Press Brakes and C.N.C OF UPTO 8 AXIS .Hydraulic standard/Numerically controlled Shearing Machine and also mechanical Press Brakes with friction clutches and Air Clutches Up to 600 Ton capacity and Shearing Machines up to 40 mm and 7meters. in length.We are also dealing in imported pipe bending machines upto 5 AXIS , Cut To Lenghts (C.T.L) C.N.C PLASMA/FLAME CUTTING MACHINES . We supply complete machines with electrical conforming to OSHA standard or CE standards. All components used in our machines are easily replaceable locally.We have our plant located at Dhaturi, Murthal, GT Karnal Road, Sonipat with all the modern facilities.

Head Office
71/6n , Rama Road Indl. Area , Najafgarh Road, New Delhi-15

Manufacturing Unit
Khasra No. 57/11/1/2 Dhaturi, Murthal,GT Karnal Road, Sonipat
(1Km from Amrik Sukhdev Dhaba)

NEW LAMBA PRESS BRAKE MACHINE

LAMBA P+S HYDRAULIC PRESS BRAKE SERIES WC67Y

Description :

. The frame is steel-welded construction, vibration to eliminate stress, with high strength and good rigidity.
. Forcing-torsion bar maintains synchronization for the two pistons, with the higher parallelism to the table .
. Mechanical stop nuts ensure stable and reliable positioning accuracy. The ram is adopted hydraulic top-drive with two cylinders. Working pressure is step-less control and the time of retaining pressure can be easily adjusted by turning the knob, lower noise.
. The ram's stroke and the back gauge's position can be speedily adjusted by motor and fine adjusted by handwheel.
. The adjusted value is displayed on the numerator.
. Ram possesses three strokes, i.e. Inching, single, continuity.
. The main sliding pairs such as oil cylinders, piston rods, guide ways and etc. Are all treated with wear resisting measures. Heat-treated tooling is with the wear-ability. The satisfactory bending accuracy can be obtained through adjusting of deflection compensation unit of the slanting wedge installed on the top of the tooling.
. Crowned bottom die holder for deflection compensating is adopted for the machines above 250 tones.
. Full machine is guarded with safety interlocking that is set in the electric box by automatic cutting off main power when the box door is opened. Protecting barrier with safety interlocking is mounted on the back of the machine.
. Another, there are travel limit protection and foot pedestal mounted with emergency off switch.

Optional :

. Sectional tooling with different lengths may store forming a certain length to bend the closed frame workpiece. The adjusted value of the ram and the back gauge can be displayed by digital readout (electronic displays).
. Pendant control box .
. Two-hand control box.

. Photo-electricity protection (Infra-red light sensor to monitor load area).
. Any tailor-made are available on request.

LAMBA P+S CNC ELECTRO- HYDRAULIC SYNCHRO PRESS BRAKE SERIES WC67Y

Description:

. Equipped with controller with automatic test and self-diagnosis. Programming a product simply consists of introducing the characteristics of the sheet to be bent, the dimension of the product and the
. tooling & die. The optimizing software can search for the best bending cycle. The CNC system permits automatic programming bending forces, position and retraction of back gauge, top dead point and speed changing point of the ram, clamping point of plate, ram penetrating depth, retaining pressure time and etc.
. Adopting reliable electro-hydraulic proportional servo synchronization. It can support eccentric load.
. Ram stroke and back gauge are controlled by controller.
. Back gauge is adopted ball-screw and rolling guide way, the repeat
. Positioning precision of X axis is ± 0.01 mm.
. In CNC the stroke of the ram is controlled by servo valve, the speed can be selected willfully.
. The repeat precision of Y1 & Y2 axes is ± 0.01 mm. The parallelism is ± 0.01 mm.
. Import are included liner transducer, pressure proportional relied valve and servo motor.
. Whole machine is guarded with safety interlocking that is set in the electric box by automatic cutoff main power when the box' door is opened. Protecting barrier with safety interlocking is mounted on the back of the machine. Another, there are travel limit protection and foot pedestal mounted emergency off switch.
. The models are available is variety of tonnage from 40 tons up to 1000 tons and table length from 2000 mm up to 6000 mm. The specifications below 250 tons refer to series W6C7Y

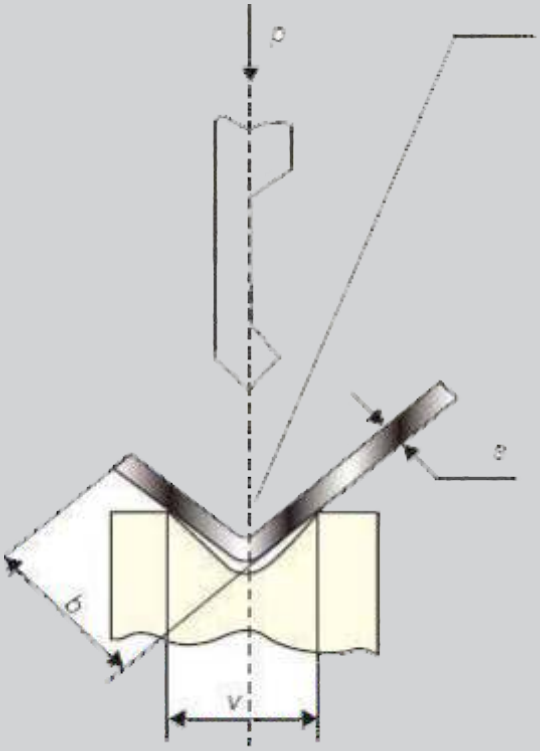
Optional

. Sectional tooling with different length length may store forming a certain length to bend the closed frame Workpiece.
. Automatic crowned deflection compensation.
. Front pneumatic sheet support.
. Two-hand control device.
. Photo-electricity protection (Infra-red light sensor to monitor load area).
. Any tailor-made are available on request.

The Chart of Force for Bending Plate (Air Bending)

V		4	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50	55	60	65	70	80	90	100	120
b		2.8	4	5.5	7	8.5	10	11	12.5	14	17	20	22	25	28	31	35	38	42	46	49	56	63	70	85
r		0.7	1	1.3	1.6	2	2.3	2.6	3	3.3	3.8	4.5	5	6	6.5	7	8	9	10	10.5	11	13	14	16	19
	0.5	40	30																						
	0.6	60	40	30	30																				
	0.8		70	50	40	30																			
	1		110	80	70	60																			
	1.2			120	100	80	70	60																	
	1.5				150	120	110	90																	
	2					220	190	170	150	130	110														
	2.5							250	220	200	170	150	130												
	3								330	290	250	210	180	160											
5	3.5									400	330	290	250	220	200										
	4										440	370	330	290	260	230	210								
	4.5											470	410	370	330	300	270	240							
	5												510	450	400	360	330	300	270	240					
	6															520	470	430	390	360	340	300			
	8																		700	640	600	520	460	420	
	10																					810	720	650	
	12																							950	780
	18																							1300	1100

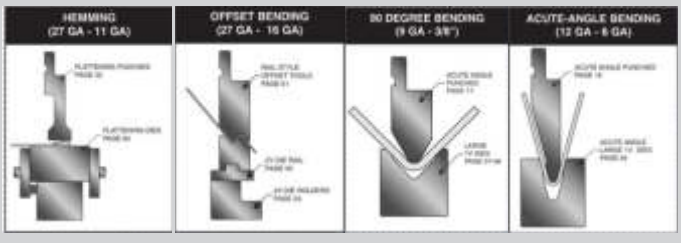
This chart is calculated according of the plate of tensile strength =,450N/mm' and length L=1m. The force can be got according to the proportion while different kind of plate and different length to be sent.

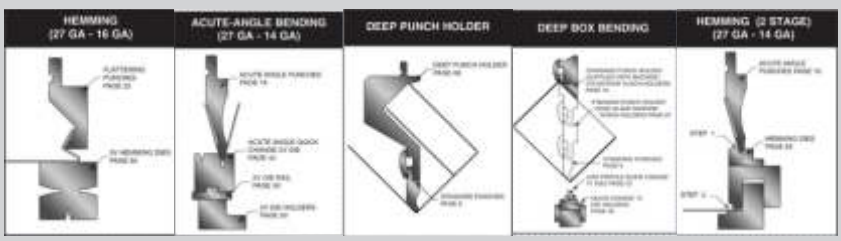


Calculating Formula: $P=650S^2L/V(\sigma_b=450n/mm^2)$

P : Bending Force (kN)
S : Thickness of the Plate (mm)
L : Width of the Plate (m)
V : V-Opening of the Bottom Die (mm)

Variety of Jobs





Note: All dimension are approximate and illustration are not binding to details. We always endeavor to improve designs from time to time with a view to solve difficult problems for handling hobs in a modern sheet sheet metal workshop.

Technical Data

Model	Nominal Pressure (kn)	Length of Table (mm)	Distance Between Housings (mm)	Throat Depth (mm)	Stroke /strokes (mm)/(mm-1)	Open Height (mm)	Main Moter (kw)	Weight (kg)	Overall Dimensions (LxWxH) (mm)
WC67Y-40/2000	400	2000	1650	200	100/>11	340	4	3100	2300 X 1070 X 2135
WC67Y-40/2500	400	2500	2050	200	100/>11	300	4	3500	2800 X 1070 X 2135
WC67Y-63/2000	630	2000	1650	250	100/>10	320	5.5	3900	2300 X 1350 X 2335
WC67Y-63/2500	630	2500	2050	250	100/>10	335	5.5	3800	2750 X 1350 X 2305
WC67Y-63/3200	630	3200	2650	250	100/>10	335	5.5	5500	3450 X 1350 X 2405
WC67Y-63/4000	630	2000	3200	250	100/>10	335	5.5	6500	4300 X 1350 X 2405
WC67Y-80/2500	800	2500	2050	250	100/>10	350	5.5	6000	2780 X 1400 X 2405
WC67Y-80/3200	800	3200	2650	250	100/>10	350	5.5	6200	3450 X 1400 X 2450
WC67Y-100/2500	1000	2500	2050	320	100/>8	365	7.5	6400	2800 X 1350 X 2485
WC67Y100/3200	1000	3200	2650	320	100/>8	365	7.5	6600.	3450 X 1350 X 2485
WC67Y-100/4000	1000	4000	3200	320	100/>8	365	7.5	7000	4300 X 1350 X 2485
WC67Y-100/5000	1000	5000	4000	320	100/>8	365	7.5	8500	5300 X 1450 X 2800
WC67Y-100/6000	1000	6000	4800	320	100/>8	365	11	9500'	6300 X 1800 X 3000
WC67Y-125/3200	1250	3200	2650	320	150/>8	415	9.1	7500	3450 X- 1550 X 2485
WC67Y-160/3200	1600	3200	2650	320	200/>6	480	15	9600	3450 X 1600 X 2500
WC67Y-160/4000	1600	4000	3200	320	200/>6	480	15	10700	4280 X 1600 X 2500
WC67Y-160/5000	1600	5000	4000	320	200/>6	480	15	16700	5300 X 1900 X 3000
WC67Y-160/6000	1600	6000	4800	320	200/>6	480	18.3	20400	6300 X 2000 X 3300
WC67Y-200/3200	2000	3200	2650	320	200/>6	510	18.3	16000	3450 X 1950 X 2685
WC67Y-200/4000	2000	4000	3200	320	200/>3	510	18.3	11300	4300 X 1950 X 2685
WC67Y-200/5000	2000	5000	4000	320	200/>3	510	18.3	21000	5300 X 1930 X 3000
WC67Y-250/3200	2500	3200	2650	400	200/>3	560	15	17000	3450 X 2030 X 3000
WC67Y-250/4000	2500	4000	3200	400	200/>3	560	15	23000	4300 X 2030 X 3000
WC67Y-250/5000	2500"	5000	4000	400	200/>3	560	15	26600	5300 X 2100 X 3300
WC67Y-300/4000	3000	4000	3200	400	200/>3	560	22	25000	4300 X 2030 X 3300

We make Press Brakes upto 600 Ton/7000, Price & Specification on request

LAMBA P+S

HYDRAULIC GUILLOTINE SHEARING MACHINE

Unmatched Quality.
Unimagined Price.

Technical Data- Hydraulic Guillotine Shear

Model	Shear Size mm	Shear Angle	Throat Depth mm	Strokes Per Min.	Back gauge Range mm	Motor KW	Weight Kg.	Over allDimensionsmm LxWxH(mm)
LPHS-1	4 X 2500	0.5-1°. 5	60	18	20 - 600	7.5	4200	3080 X 1455 X 1755
LPHS-2	4 X 3200	0.5-1°.5	60	15	20 - 600	7.5	4800	3850 X 1550 X 1755
LPHS-3	6 X 2500	0.5-1°. 5	70	18	20 - 600	7.5	4800	3100 X 1610 X 1950
LPHS-4	6 X 3200	0.5-1°.5	70	15	20 - 600	7.5	6500	3900 X 1650 X 1950
LPHS-5	6 X 4000	0.5-1°.5	100	11	20 - 600	11	7700	4700 X 1650 X 1950
LPHS-6	6 X 6000	0.5-2°	100	7	20 - 600	15	17000	6700X 1920 X 3130
LPHS-7	8 X 2500	0.5-1°. 5	100	17	20 - 600	11	6800	3150 X 1750 X 1990
LPHS-8	8 X 3200	0.5-1°. 5	100	15	20 - 600	11	7500	3900 X 1750 X 1990
LPHS-9	8 X 4000	0.5-1°. 5	100	11	20 - 600	15	8500	4700 X 1800 X 1950
LPHS-10	8 X 6000	0.5-2°	100	7	20 - 600	15	19000	6700 X 2000 X 2050
LPHS-11	10 X 2500	0.5-1°. 5	100	17	20 - 600	11	7500	3150 X 1750 X 1990
LPHS-12	10 X 3200	0.5-1°. 5	100	15	20 - 600	11	8000	3950 X 1800 X 2040
LPHS-13	10 X 4000	0.5-2°	100	11	20 - 600	15	11000	4800 X 1900 X 2050
LPHS-14	12 X 2500	0.5-2°	100	9	20 - 600	15	8500	3260 X1750 X 2180
LPHS-15	12 X 3200	0.5-2°	100	9	20 - 600	18.5	10600	3950 X 2050 X 2250
LPHS-16	12 X 4000	0.5-2°	100	8	20 - 600	18.5	12700	4800 X 2350 X 2550
LPHS-17	12 X 6000	0.5-2°	100	7	20 - 600	22	28500	6870 X 2380 X 2800
LPHS-18	16 X 2500	1-2°.5	100	9	20 - 600	18.5	11000	3400 X 2200 X 2400
LPHS-19	16 X 3200	1-2°.5	100	8	20 - 600	22	13000	4000 X 2400 X 2600
LPHS-20	16 X 4000	1-2°.5	100	8	20 - 600	22	15000	4830 X 2500 X 2700
LPHS-21	16 X 6000	1-2°.5	100	7	20 - 600	37	33500	7000 X 2500 X 3000
LPHS-22	16 X 9000	1°-3°	100	3	20 - 600	37	60000	10000 X 3100 X 600
LPHS-23	20 X 2500	1°-3°	100	7	20 - 600	30	13000	3400 X 2200 X 2600
LPHS-24	20 X 3200	1°-3°	100	7	20 - 600	30	17000	4000 X 2400 X 2440
LPHS-25	20 X 4000	1°-3°	100	5	20 - 600	30	23000	4870 X 2500 X 2700
LPHS-26	20 X 6000	1°-3°	100	5	20 - 600	55	42000	7060 X 2600 X 3000
LPHS-27	20 X 8000	1°-3°.5	100	4	20 - 600	55	65000	9250 X 3500 X 3700
LPHS-28	25 X 2500	1°-3°.5	100	6	20 - 600	37	18500	2900 X 2300 X 2600
LPHS-29	25 X 3200	1°-3°.5	100	6	20 - 600	37	21000	4000 X 2400 X 2440
LPHS-30	30 X 2500	1°-3°.5	100	4	20 - 600	37	17800	3500 X 2600 X 2850
LPHS-31	30 X 3200	1°-3°.5	100	4	20 - 600	37	29000	4100 X 2600 X 3100
LPHS-32	35 X 2500	1°-3°.5	100	4	20 - 600	55	19800	3500 X 2600 X 2850
LPHS-33	35 X 3200	1°-3°-5	100	4	20 - 600	55	32000	4100 X 2600 X 3100

Optional

Variably Rake Shears Features & Accessories

- Rugged structure as per the international standards.
- Moving beam synchronized by differential cylinders.
- Hardened rollers guiding beam for constant blade gap.
- Rake angle adjustable to suit thickness and material.
- Blade gap adjusted with levers for clean cuts.
- Sheets clamped hydraulically before cut starts.
- Shearing-clamping forces adjustable to suit job.
- Blades premium HCHCr, four usable edges.
- Cutting length and position adjustable for shorter jobs.
- Beam returns on releasing foot switch for smaller cuts.
- Cutting area illuminated for clear view of blades.
- First two hold-downs spaced closer at both ends.
- Front gauging with stops, scale on squaring arm. Sheet supports 600mm long help support long plates.
- Ramp on rear slides out cut sheets outside shear area.
- Back gauge moves away to avoid trapping of cut sheets.
- Foot switch movable for operation from safe position.
- Finger safety guard with clear view of lighted cutting area.
- Dependable brands of hydraulics, and electricals.
- Efficient compact power-pack with minimal piping.
- Electricals neatly wired-labelled for trouble shooting.

Optimum conditions for quality cuts

Rake angle adjustable for material thickness.
Blade gap easily adjustable for clean cuts. All blades HCHCr with 4 usable edges

Extra capacity to cut inconsistent material, Beam guided, synchronized for constant gap. Firm clamping of plates before cut starts and easier feeding gauging retrieval of sheets

Shearing at constant speed with cutting (rake) angle set to suit material, thickness minimizes the distortion of cut sheets. This facilitates quality in downstream operations viz. pressing, punching, bending and drawing.

Shearing at correct blade gap with sheets firmly gripped help get clean burr-free edges and avoids re-working during welding and assembly.

Note : We make Shearing Machines upto 8000X40mm, Price & Specifications on request. All dimensions are approximate and illustration are not binding to details. We always endeavor to improve designs from time to time with a view to

HYDRAULIC IRONWORKER Q35Y-30

Q35Y series hydraulic ironworkers adopt hydraulic driving system. Adopted high technology, the Hydraulic Conbined Punching & Shearing Machine with Notch series mainly have Q35Y-16, Q35Y-20, Q35Y-25, Q35Y-30 etc. Max.cutting thickness(mm) of 16, 20, 25, 30 are available! They are the latest ironworkers in our country. Various metal plates, square bar, angle steel, channel steel and joist steel can be cut, punched and notched on the machines.

Type	Q35Y-16	Q35Y-20	Q35Y-25	Q35Y-30
Punching pressure(ton)	55	90	110	140
Max. shearing thickness of steel plates	16mm	20mm	25mm	30mm
Strength of steel plates	450	450	450	<450 n/mm2
Angle of shear	7°	8°	8°	8°
Shearing sizes of one stroke (WxH)	16x250mm	10x480mm	16x600mm	20x600 mm
Ram stroke (WxH)	8x100mm	20x330mm	25x330mm	80mm
Ram stroke (Inch)	3.15	80mm	80mm	80mm
Number of stroke(times/min)	80mm	8	6	8
Depth of throat	300mm	355mm	400mm	600mm
Punching thickness	16mm	20mm	25mm	26mm
Max.diameter of punching	25	30	35	38mm
Main motor power(KW)	4	5.5	7.5	11
Overall dimensions? LxWxH?	1730x876x1800	1950x900x1930	2350x980x2100	2680x1060x2380
N.W(kg)	1600	2600	4800	6800

Types of profiled steel for shearing

Type/Section	Size(Inches)	Size(Inches)	Size(Inches)	Size(Inches)
Round steel	45	45	60	65
Square bar	40x40	45x45	50x50	55x55
90°shearing of equal-angle bar	125x125x12	140x140x12	160x160x14	180x180x16
45°shearing of equal-angle bar	70x70x8	70x70x10	80x80x7	80x80x10
90°shearing of T-bar	120x120x12	140x140x12	160x160x12	180x180x16
I beam steel	126x74x5	140x80x6	200x102x9	280x124x10.5
channel steel	126x53x5.5	140x58x6	200x75x9	280x86x11.5

IRON WORKER

PIPE BENDING MACHINE

TECHNICAL DATA

Main Technology Parameters		28B	38B	50B	60B	75B	100B	120B	160B
Max. Bending Pipe Capacity H40 kg/mm	mm	28	38	50	60	75	100	120	160
Max. Pipe Wall Thickness	mm	1.8	2.0	2.0	2.0	2.5	2.5	2.5	2.5
Bending Radius Region	mm	25-150	30-200	35-250	35-250	60-350	60-400	80-500	100-600
Bending Angle Region	Degree	190	190	190	190	190	190	190	190
Os Pressure System Motor	kw	3.2	4	5.5	5.5	7.5	11	11	22
Max. Pressure	kg/cm	140	140	140	140	140	160	160	160
Machine Width	mm	650	800	800	800	1050	1200	1600	2200
Machine Height	mm	1300	1300	1300	1300	1350	1350	1400	1500
Machine Length	mm	2500	3500	4500	5000	5500	5800	6000	8500
Machine Weight	kg	1000	1500	1700	2000	3200	4500	6000	6000

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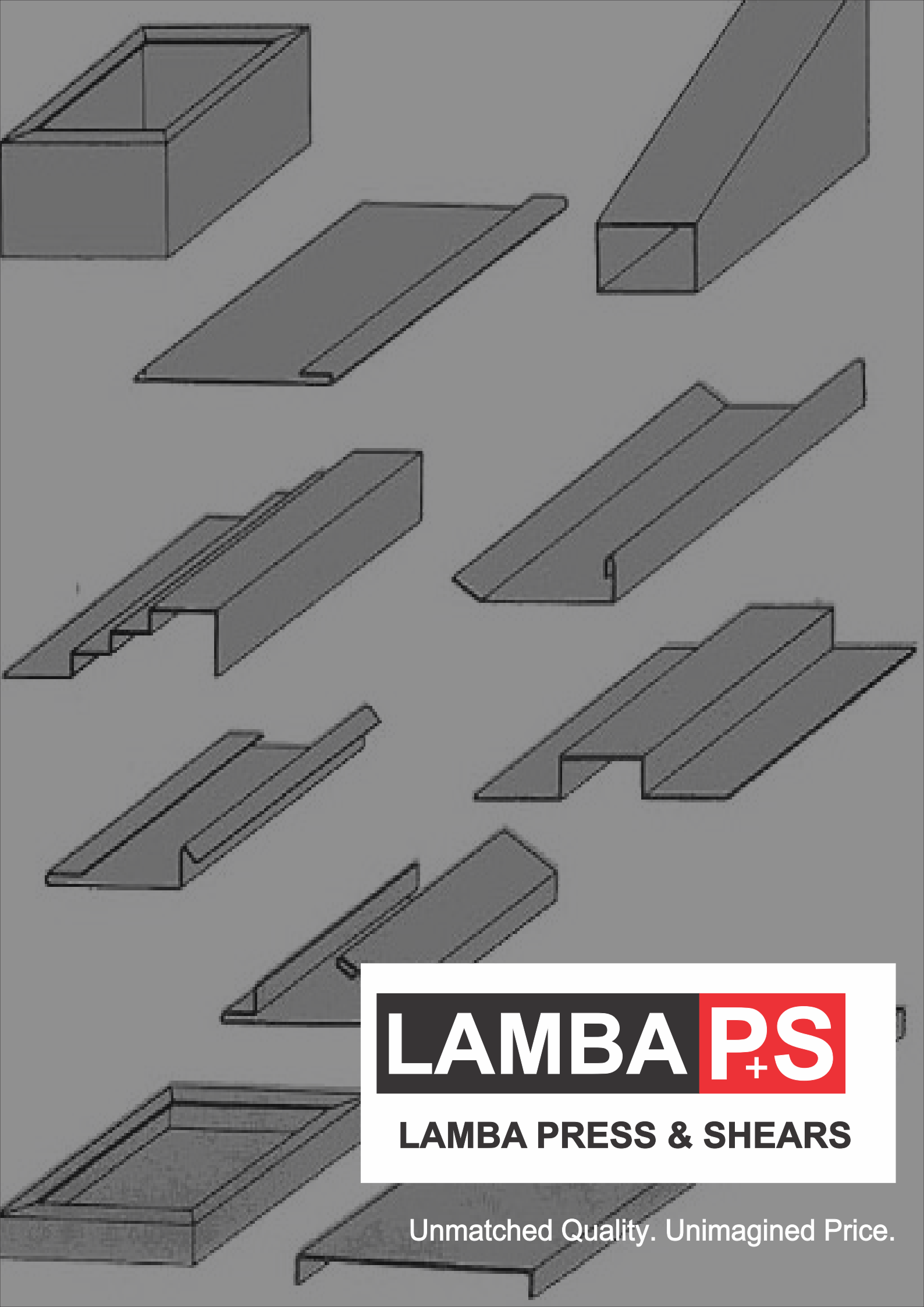

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