



MonoTech
ENGINEERS PVT. LTD.



HVR SERIES

Cap. 3mm to 20mm
Length 1500 to 6500 mm

HYDRAULIC VARIABLE RAKE ANGLE SHEARS

Design Features

Mono Block Welded Steel rigid to deflection tensile movement at high tensile Easy for accurate gap adjustment of blades for bur-free cuts.

Motorized back gauge with electronic digital readout.

Electronically adjustment of RAKE ANGLE as per material of thickness for twist free cuts. Synchronized Beam guided system for constant gap between Blades.

Extra capacity to cut Hard-thicker plate than nominal capacity.

Blades Produced from High alloying steel with functional four side.

Adjustable Cutting & clamping force for quality cutting & power saving.

Rapid cutting of short pieces by electrical stroke adjustment system.

Standard Feature Accessories

- Moving beam Synchronized by differential cylinders.
- Hardened rollers guide beam for constant blade gap.
- Blade gap easily adjustable by calibrated levers.
- Rake angle adjustable to suit thickness and material.
- Activation from console and movable foot switch.
- Stroke length - position can be set for short jobs.
- Beam returns on releasing foot switch for smaller cuts.
- First two hold downs spaced closer at both ends.
- Squaring arm 1000mm at left with hardened liners.
- Squaring arm 600mm at right helps distribute wear.
- Hardened rods on table for safe easier feeding.
- Two front supports for supporting longer plates.
- Front operated motorized back gauge 1000mm travel with D.R.O.
- Compact, Low maintenance of silent Hydraulic system.
- HVR 315, HVR320, HVR325, HVR330 have sheet supports, manual back gauge & left squaring arm of 600mm length.

Optional Accessories

- Automatic contact shearing
- Hydraulic Rear sheet supports
- NC Back gauge with Ball screw

Model	Shearing Length	Nominal rake angle (MS)	Maximum rake angle (MS)	Nominal rake angle (SS)	Maximum rake angle (SS)	Rake angle	Rake angle range	Strokes/minute at min. & min. & Rate angle	Holddowns	Holding Force Kgs.	Power HP	Packing Dimension (L X W X H) mm	Approx Weight Kg.
HVR225	2500	2	3.15	1	1.6	1°	0.5-2°	22 - 10	13	1800	3	2900 x 1600 x 1500	2500
HVR230	3000	2	3.15	1	1.6	1°	0.5-2°	18 - 8	15	1800	3	3400 x 1600 x 1500	2800
HVR315	1500	3.15	4	2	3	1° 15'	0.5-2°	24 - 10	8	2000	5	2250 x 1800 x 2050	2000
HVR325	2500	3.15	4	2	3	1° 15'	0.5-2°	28 - 13	13	2500	5	3200 x 1850 x 1950	3500
HVR330	3000	3.15	4	2	3	1° 15'	0.5-2°	24 - 49	15	2500	5	3700 x 1850 x 1950	4000
HVR415	1500	4	6	3	4	1° 37'	0.5-3°	24 - 10	8	4500	5	2250 x 1850 x 2050	3200
HVR420	2000	4	6	3	4	1° 37'	0.5-3°	24 - 10	11	6200	7.5	2750 x 1850 x 2050	3500
HVR425	2500	4	6	3	4	1° 37'	0.5-3°	22 - 8	13	8000	7.5	3300 x 2250 x 2400	5000
HVR430	3000	4	6	3	4	1° 45'	0.5-3°	22 - 8	20	12000	10	3700 x 2250 x 2400	6000
HVR440	4000	4	6	3	4	1° 45'	0.5-3°	18 - 6	20	12000	10	4500 x 2250 x 2400	8100
HVR615	1500	6	8	4	6	1° 45'	0.5-3°	24 - 8	8	6500	10	2250 x 1900 x 2100	4000
HVR620	2000	6	8	4	6	1° 45'	0.5-3°	22 - 7	11	65000	10	2750 x 1900 x 2100	4300
HVR625	2500	6	8	4	6	1° 45'	0.5-3°	28 - 8	13	8500	15	3300 x 2250 x 2500	6000
HVR630	3000	6	8	4	6	1° 45'	0.5-3°	28 - 6	15	10800	15	3800 x 2250 x 2500	6500
HVR640	4000	6	8	4	6	2°	0.5-3°	24 - 6	20	13600	20	4800 x 2250 x 2500	8200
HVR815	1500	8	10	6	8	2°	0.5-3°	22 - 10	8	10500	15	2250 x 2050 x 2200	5200
HVR820	2000	8	10	6	8	2°	0.5-3°	18 - 8	11	12000	15	2750 x 2050 x 2200	6000
HVR825	2500	8	10	6	8	2°	0.5-3°	24 - 8	13	16500	20	3300 x 2500 x 2600	7500
HVR830	3000	8	10	6	8	2°	0.5-3°	20 - 6	15	18500	20	3800 x 2350 x 2600	9000
HVR840	4000	8	10	6	8	2°	0.5-3°	20 - 8	20	23000	25	4800 x 2350 x 2600	12500
HVR1015	1500	10	13	8	10	2°	0.5-3°	20 - 10	8	10500	15	2250 x 2050 x 2300	6000
HVR1020	2000	10	13	8	10	2°	0.5-3°	18 - 0	11	13000	15	2750 x 2050 x 2300	7000
HVR1025	2500	10	13	8	10	2°	0.5-3°	24 - 8	13	17500	20	3300 x 2500 x 2800	9000
HVR1030	3000	10	13	8	10	2°	0.5-3°	20 - 6	15	20000	20	3800 x 2500 x 2800	11500
HVR1040	4000	10	13	8	10	2°	0.5-3°	18 - 6	20	25000	30	4800 x 2500 x 2800	15000
HVR1320	2000	13	16	10	13	2°	0.5-3°	13 - 5	5	16500	20	2750 x 2200 x 2500	7000
HVR1325	2500	13	16	10	13	2°	0.5-3°	15 - 10	13	32000	25	3350 x 2600 x 2800	9000
HVR1330	3000	13	16	10	13	2°	0.5-3°	12 - 6	15	37000	25	3800 x 2600 x 2800	12000
HVR1340	4000	13	16	10	13	2°	0.5-3°	10 - 4	20	22000	30	4850 x 2200 x 2800	15500
HVR1620	2000	16	20	13	16	2°	0.5-3°	13 - 7	11	22000	25	2750 x 2200 x 2600	12000
HVR1625	2500	16	20	13	16	2°	0.5-3°	15 - 8	13	40000	30	3500 x 2600 x 2900	15000
HVR1630	3000	16	20	13	16	2°	0.5-3°	15 - 8	13	40000	30	4000 x 2600 x 2900	17000
HVR1640	4000	16	20	13	16	2°	0.5-3°	10 - 4	20	30000	30	5100 x 2750 x 2900	20000
HVR2020	2000	20	25	16	20	2°	0.5-3°	16 - 8	11	32000	40	2900 X 2500 X 2600	17000
HVR2025	2500	20	25	16	20	2°	0.5-3°	15 - 8	13	48000	40	3500 x 2750 x 3000	18000
HVR2030	3000	20	25	16	20	2°	0.5-3°	12 - 6	15	52000	40	4000 x 2750 x 3000	20000
HVR2040	4000	20	25	16	20	2°	0.5-3°	12 - 6	15	30000	50	5100 x 2800 x 3000	24000



**UNDER CRANK
GUILLOTINE
SHEARING MACHINE**



**OVER CRANK
GUILLOTINE
SHEARING MACHINE**

TECHNICAL SPECIFICATION OF OVER CRANK GUILLOTINE SHEARING MACHINE

Model no. (MTE)	OSM -1	OSM-2	OSM-3	OSM-4	OSM-5	OSM-6	OSM-7	OSM-8	OSM-9	OSM-10	OSM-11	OSM -12	OSM-13	OSM-14	OSM-15
Description	1270x6	1525x6	2030x6	2540x6	3125x6	1525x8	2030x8	2540x8	3125x8	2030x10	2540x10	3125x10	2030x13	2540x13	3125x13
Cutting cap. Thick of M.S.	6.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	100	10.0	10.0	10.0	13.0	13.0	13.0
Cutting Length	1270	1525	2030	2540	3125	1525	2030	2540	3125	2030	2540	3125	2030	2540	3125
Depth of Throat	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Standard Front Gauge	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Standard Rear Gauge	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Table Height	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850
Table Width	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Blade Length	1270	1525	2030	2540	3125	1525	2030	2540	3125	2030	2540	3125	2030	2540	3125
Blade Width	75	75	75	75	75	75	75	75	75	100	100	100	100	100	100
Blade Thickness	18	18	22	22	22	22	22	22	22	25	25	25	28	28	28
Stroke Per Minute	30	30	25	25	25	25	25	25	25	25	20	20	25	20	20
Hold Down to Knife Edge	45	45	45	50	50	50	50	50	50	75	75	75	75	75	75
Machine Length	2350	2575	3100	3500	4250	2800	3150	3600	4350	3225	3650	4300	3350	3600	440
Machine Width	2150	2150	2200	2200	2200	2000	2150	2200	2250	2250	2450	2550	2500	2700	2800
Machine Height	2600	2600	2700	2700	2700	2500	2600	2650	2700	2700	2750	2800	2800	2900	3000
Main Motor HP/KW	7.5/5.6	10/7.7	10/7.7	12/9.7	15/11.2	12.5/9.7	12.5/9.7	15/11.2	20/15	15/11.2	20/15	25/18.7	2800	25/18.7	30/22.5

TECHNICAL SPECIFICATION OF UNDER CRANK GUILLOTINE SHEARING MACHINE

SPECIFICATIONS	Model	MMGU- 1 Geare	MMGU -2 Geared	MMGU-3 Geared	MMGU -4 Geared	MMGU-5 Geared
Shearing length	mm	1250	1500	2000	2500	3000
Shearing capacity	mm	4	4	4	4	4
Depth of Throat	mm	120	120	120	120	120
Max. Back Gauge adjustment	mm	500	600	600	600	600
Size of blades (segments)	mm	1270x65x16	1575x65x16(2)	1015x65x16(4)	1270x75x18	1016x75x18(6)
Length of cut in one stroke	mm	1250	1500	2000	2500	300
No. of Strokes per minute	No	60	50	45	45	45
Power required	Hp/rpm	5/1440	7.5/1440	10/1440	10/1440	12.5/1440
Floor area (LxWxH) approx.	mm	2275x1200x1450	2500x1375x1650	3000x1375x1650	3650x1375x1650	4950x1375x1850

SHEAR BLADE : Blade are manufactured strictly as per standard material of HCHCr. Every step from designing metallurgical specifications, heat treatment, grinding and inspection is carefully controlled. The blades are standardized and can be easily replaced.

MECHANICAL BACK GAUGE : Back gauge provided with an arrangement to set its connectivity, it is driven by with sprocket and chain arrangement fitted on a screw Both the screws are made out of alloy steel material and precision machined with squared thread of the back gauge.

LUBRICATION: Single shot lubricator provides oil to all the lubrication points, where necessary. Thus, all Bearing parts and Guide surface etc. should be lubricated properly.

DRIVE : Drive is through V-belts on flywheel and a reduction gear box. Gears are made of steel or cast cut for the smooth running and Longer Life.

Metal Working Machines, Hydraulic Machines, Material Handling Equipments.
S-16, South Side, G.T. Road Indl. Area, Ghaziabad-201009 (U.P)
Ph.: 0120 - 4246515, Telefax: 0120-2841916 Fax: 91 -11-22023661
Mob.: +91 -9350040636, 9313429290
Email : monotech@nsenergygroups.com, info@nsenergygroups.com
URL: www.monotechengineers.com | www.monotechengineers.com