



## HYDRAULIC SHEARING MACHINE

The Hydraulic Shearing Machines are designed from ultrasonically tested IS 2062 grade steel structures. Our NM HVR Series Hydraulic Shearing Machine incorporates latest technologies with the high performance, simple operating device and is designed to function smoothly for a long time.

Robust construction gives more rigidity & strength to machines. These machines are capable to perform the accurate and precise cutting needs. The specially designed compact manifolds give smooth and silent operation.

NM HVR Hydraulic Shearing Machine equipped with the product features and safety devices for optimum, accuracy and repeatability.

### RANGE :

- ▶ Shearing Thickness - 02mm to 25
- ▶ Shearing Length - 1500mm to 7000 mm

### TECHNICAL FEATURES :

- ▶ Shearing Length 1500mm/ 2000mm/ 2500mm/ 3000mm/ 4000mm
- ▶ Shear Material MS / SS / ALUMINIUM / BRASS / COPPER
- ▶ Accuracy  $\pm 0.1$ mm / Meter
- ▶ Thickness Up to 4mm / 6mm / 8mm / 10mm / 12mm / 16mm / 20mm
- ▶ Back Gauge Length 600mm/ 1000mm and as Per Requirement

### PRODUCT FEATURES :

- ▶ Accurate clearance adjustment of both blades for BURS FREE shears.
- ▶ Manually/Motorized Back gauge for easy adjustment of shearing length.
- ▶ Better cutting accuracy in thin sheets at lower rake angle.
- ▶ Extra powerful clamping force by Holding Cylinders.
- ▶ International Quality Hydraulics Components, Special designed compact Manifolds gives Smooth & jerk less operations.
- ▶ Best Quality Electrical Components ensure trouble free Operation Over a Period of time.
- ▶ Pair of four edges HCHCR blade interchangeable & suitable to shear Mild Steel & Stainless Steel scale mounted on m/c.
- ▶ Fastest & Easiest Pre-Calibrated blade Clearance Setting for burs free Cutting.

### STANDARD ACCESSORIES INCLUDING WITH MACHINE:

- ▶ Flexible Sheet Support for Longer and Heavier Plates / Sheets.
- ▶ Pair of Blades Installed with machine
- ▶ Foot Switch for easier operation
- ▶ Majoring Scale For Smaller pieces at front
- ▶ Fine Stroke Adjustment rod with limit switch

# Hydraulic Shearing Machine

Model	Shearing Length	Sh.Thickness					Rake angle range	Strokes/minute at min. & max Rake angle	Hold downs	Holding force Kgs.	Power H.P.	Packing Dimension mm (LxWxH)
		M.S.		S.S.								
		Nominal rake angle	Maximum rake angle	Nominal rake angle	Maximum rake angle	Rake angle						
MRGC2502	2500	2	3.15	1	1.6	1°	0.5-2°	22-10	13	1800	3	2950X1650X1550
MRGC3002	3000	2	3.15	1	1.6	1°	0.5-2°	18-8	15	1800	3	3450X1650X1550
MRGC1503	1500	3.15	4	2	3	1°15'	0.5-2°	24-10	8	2000	5	2300X1900X2100
MRGC2503	2500	3.15	4	2	3	1°15'	0.5-2°	28-13	13	2500	5	3250X1900X2000
MRGC3003	3000	3.15	4	2	3	1°15'	0.5-2°	24-9	15	2500	5	3750X1900X2000
MRGC1504	1500	4	6	3	4	1°37'	0.5-3°	24-10	8	4500	5	2300X1900X2100
MRGC2004	2000	4	6	3	4	1°37'	0.5-3°	24-10	11	6200	7.5	2850X1950X2100
MRGC2504	2500	4	6	3	4	1°37'	0.5-3°	22-8	13	8000	7.5	3400X2350X2500
MRGC3004	3000	4	6	3	4	1°37'	0.5-3°	22-8	15	10000	10	3800X2350X2500
MRGC4004	4000	4	6	3	4	1°45'	0.5-3°	18-6	20	12000	10	4600X2350X2500
MRGC1506	1500	6	8	4	6	1°45'	0.5-3°	24-8	8	6500	10	2350X2000X2200
MRGC2006	2000	6	8	4	6	1°45'	0.5-3°	22-7	11	65000	10	2850X2000X2200
MRGC2506	2500	6	8	4	6	1°45'	0.5-3°	28-8	13	8500	15	3400X2350X2600
MRGC3006	3000	6	8	4	6	1°45'	0.5-3°	24-6	15	10800	15	3900X2350X2600
MRGC4006	4000	6	8	4	6	2°	0.5-3°	24-6	20	13600	20	4900X2350X2600
MRGC1508	1500	8	10	6	8	2°	0.5-3°	22-10	8	10500	15	2350X2150X2300
MRGC2008	2000	8	10	6	8	2°	0.5-3°	18-8	11	12000	15	2850X2150X2300
MRGC2508	2500	8	10	6	8	2°	0.5-3°	24-8	13	16500	20	3400X2450X2300
MRGC3008	3000	8	10	6	8	2°	0.5-3°	20-6	15	18500	20	4000X2550X2800
MRGC4008	4000	8	10	6	8	2°	0.5-3°	20-8	20	23000	30	4900X2450X2700
MRGC15010	1500	10	13	8	10	2°	0.5-3°	20-10	8	10500	15	2350X2150X2400
MRGC20010	2000	10	13	8	10	2°	0.5-3°	18-8	11	13500	15	2850X2150X2400
MRGC25010	2500	10	13	8	10	2°	0.5-3°	24-8	13	17500	20	3400X2600X2900
MRGC30010	3000	10	13	8	10	2°	0.5-3°	20-6	15	20000	20	3900X2600X2900
MRGC40010	4000	10	13	8	10	2°	0.5-3°	18-6	20	25000	30	4900X2600X2900
MRGC20013	2000	13	16	10	13	2°	0.5-3°	13-5	11	16500	20	2850X2300X2600
MRGC25013	2500	13	16	10	13	2°	0.5-3°	15-10	13	32000	25	3450X2750X2900
MRGC30013	3000	13	16	10	13	2°	0.5-3°	12-6	16	37000	25	3900X2700X2900
MRGC40013	4000	13	16	10	13	2°	0.5-3°	10-4	20	22000	30	4950X2300X2900
MRGC20016	2000	16	20	13	16	2°	0.5-3°	13-7	11	22000	25	2850X2300X2700
MRGC25016	2500	16	20	13	16	2°	0.5-3°	15-8	13	40000	30	3600X2700X3000
MRGC30016	3000	16	20	13	16	2°	0.5-3°	12-6	16	43500	30	4100X2700X3000
MRGC40016	4000	16	20	13	16	2°	0.5-3°	10-4	20	30000	30	5200X2850X3000



## NC HYDRAULIC SHEARING MACHINE

NC shearing machine has all the advantages of hydraulic shearing machine (Semi-Automatic). The machines are supplied with easy to use axis NC Controlled heavy duty back gauge (Range 760 MM) with PLC based controller nisi ut aliquip ex ea commodo consequat dui aute irure dolor in reprehenderit.

The machine productivity and accuracy are much improved with NC controlled back gauge. The fast and accurate multi position back gauge system is very efficient and accurate.

### RANGE :

- ▶ Shearing Thickness - 02mm to 25 mm
- ▶ Shearing Length - 1500mm to 7000 mm

### TECHNICAL FEATURES :

- ▶ Shearing Length - 1500mm/ 2000mm/ 2500mm/ 3000mm/ 4000mm
- ▶ Shear Material - MS / SS / ALUMINIUM / BRASS / COPPER
- ▶ Accuracy -  $\pm 0.1$ mm / Meter
- ▶ Thickness - Up to 4mm / 6mm / 8mm / 10mm / 12mm / 16mm / 20mm
- ▶ Back Gauge Length - 600mm / 1000mm and as Per Requirement

### PRODUCT FEATURES :

- ▶ HMI with 2 Line 16 character LCD monochrome screen & numeric keypad.
- ▶ Multi steps back gauge position program.
- ▶ Stroke Counter & Control on Screen.
- ▶ Hardened Ground Ball screw & Linear motion bearings.
- ▶ Rake angle adjustment through selector switch.
- ▶ Hardened ground Ball screw with better position accuracy.
- ▶ Linear motion bearings for smooth & accurate guiding.
- ▶ Various drives interface like two-speed motor, stepper motor/AC servo motor.

### STANDARD ACCESSORIES INCLUDING MACHINE :

- ▶ HMI With 2 Line 16 Character LCD Monochrome Screen & Numeric Keypad.
- ▶ Hardened Ground Ball Screw & Linear Motion Bearings.
- ▶ Lever Operated Blade Clearance With Calibration.
- ▶ Rake Angle Selection Through Selector Switch.
- ▶ Stroke Adjustment Through Screen & Stroke Counter Meter.

# NC HYDRAULIC SHEARING MACHINE

Model	Shearing Length	Sh.Thickness					Rake angle range	Strokes/minute at min. & max. Rake angle	Hold downs	Holding force Kgs.	Power H.P.	Packing Dimension mm (LxWxH)
		M.S.		S.S.								
		Nominal rake angle	Maximum rake angle	Nominal rake angle	Maximum rake angle	Rake angle						
MRGC2502	2500	2	3.15	1	1.6	1°	0.5-2°	22-10	13	1800	3	2950X1650X1550
MRGC3002	3000	2	3.15	1	1.6	1°	0.5-2°	18-8	15	1800	3	3450X1650X1550
MRGC1503	1500	3.15	4	2	3	1°15'	0.5-2°	24-10	8	2000	5	2300X1900X2100
MRGC2503	2500	3.15	4	2	3	1°15'	0.5-2°	28-13	13	2500	5	3250X1900X2000
MRGC3003	3000	3.15	4	2	3	1°15'	0.5-2°	24-9	15	2500	5	3750X1900X2000
MRGC1504	1500	4	6	3	4	1°37'	0.5-3°	24-10	8	4500	5	2300X1900X2100
MRGC2004	2000	4	6	3	4	1°37'	0.5-3°	24-10	11	6200	7.5	2850X1950X2100
MRGC2504	2500	4	6	3	4	1°37'	0.5-3°	22-8	13	8000	7.5	3400X2350X2500
MRGC3004	3000	4	6	3	4	1°37'	0.5-3°	22-8	15	10000	10	3800X2350X2500
MRGC4004	4000	4	6	3	4	1°45'	0.5-3°	18-6	20	12000	10	4600X2350X2500
MRGC1506	1500	6	8	4	6	1°45'	0.5-3°	24-8	8	6500	10	2350X2000X2200
MRGC2006	2000	6	8	4	6	1°45'	0.5-3°	22-7	11	65000	10	2850X2000X2200
MRGC2506	2500	6	8	4	6	1°45'	0.5-3°	28-8	13	8500	15	3400X2350X2600
MRGC3006	3000	6	8	4	6	1°45'	0.5-3°	24-6	15	10800	15	3900X2350X2600
MRGC4006	4000	6	8	4	6	2°	0.5-3°	24-6	20	13600	20	4900X2350X2600
MRGC1508	1500	8	10	6	8	2°	0.5-3°	22-10	8	10500	15	2350X2150X2300
MRGC2008	2000	8	10	6	8	2°	0.5-3°	18-8	11	12000	15	2850X2150X2300
MRGC2508	2500	8	10	6	8	2°	0.5-3°	24-8	13	16500	20	3400X2450X2300
MRGC3008	3000	8	10	6	8	2°	0.5-3°	20-6	15	18500	20	4000X2550X2800
MRGC4008	4000	8	10	6	8	2°	0.5-3°	20-8	20	23000	30	4900X2450X2700
MRGC15010	1500	10	13	8	10	2°	0.5-3°	20-10	8	10500	15	2350X2150X2400
MRGC20010	2000	10	13	8	10	2°	0.5-3°	18-8	11	13500	15	2850X2150X2400
MRGC25010	2500	10	13	8	10	2°	0.5-3°	24-8	13	17500	20	3400X2600X2900
MRGC30010	3000	10	13	8	10	2°	0.5-3°	20-6	15	20000	20	3900X2600X2900
MRGC40010	4000	10	13	8	10	2°	0.5-3°	18-6	20	25000	30	4900X2600X2900
MRGC20013	2000	13	16	10	13	2°	0.5-3°	13-5	11	16500	20	2850X2300X2600
MRGC25013	2500	13	16	10	13	2°	0.5-3°	15-10	13	32000	25	3450X2750X2900
MRGC30013	3000	13	16	10	13	2°	0.5-3°	12-6	16	37000	25	3900X2700X2900
MRGC40013	4000	13	16	10	13	2°	0.5-3°	10-4	20	22000	30	4950X2300X2900
MRGC20016	2000	16	20	13	16	2°	0.5-3°	13-7	11	22000	25	2850X2300X2700
MRGC25016	2500	16	20	13	16	2°	0.5-3°	15-8	13	40000	30	3600X2700X3000
MRGC30016	3000	16	20	13	16	2°	0.5-3°	12-6	16	43500	30	4100X2700X3000
MRGC40016	4000	16	20	13	16	2°	0.5-3°	10-4	20	30000	30	5200X2950X3000