



METAL WORKING MACHINES

ABOUT US

VAAV Makina Engineering is a sister company of Emektar Makina which provides machining solutions to automotive, mold, medical and defense industries for more than 60 years. Our company, which works on sheet metal processing and welding solutions, includes the latest technology and world-class components in its products and take part development of Turkish economy.

We combine our years of experience, knowledge and technical infrastructure with engineering discipline and produce the solutions needed by the global economy. We minimize production costs with rational systems in production processes and maximize production speed. VAAV Makina provides high quality production solutions to its customers in the defense, aerospace, marine, automotive, construction, air conditioning sectors and always supports its after-sales services.





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VPB NC

2 (X+Y) AXIS NC CONTROLLED
HYDRAULIC PRESSBRAKES

01





STANDARD FEATURES

- ✔ Bending system with Double Cylinder on the upper table
- ✔ Static and dynamic rigidity provided, strong construction with steel frame and upper table material
- ✔ Upper table movement supported by easily adjustable fiber slide bearings
- ✔ Durable balancing spindle and eccentric bearings that aid parallelism
- ✔ Stroke controlled angle adjustment mechanism with mechanical-stop system and motor control
- ✔ High stroke and front opening values that facilitate the use of different bending molds
- ✔ Easy tonnage adjustment with pressure switch and stop at lower stroke point via NC control
- ✔ Hydraulic safety system against excessive pressure rise
- ✔ Double speed working system free fall, slow bend and fast return
- ✔ Safety enabled foot pedal with emergency stop connected to the NC Controller, enables safe work environment and compatible with CE
- ✔ Compact, low maintenance needed HAWE or REXROTH hydraulic system unit located at the top of the machine
- ✔ Service solution with remote connection with European origin SIEMENS and PIZZATO, BALLUF electrical equipments
- ✔ LEUZE brand security system, in the front area enables different forms with learning mode
- ✔ NC control unit, which can write standard 500 programs / 200 lines in each, And easy save and load programs from USB

STANDARD FEATURES

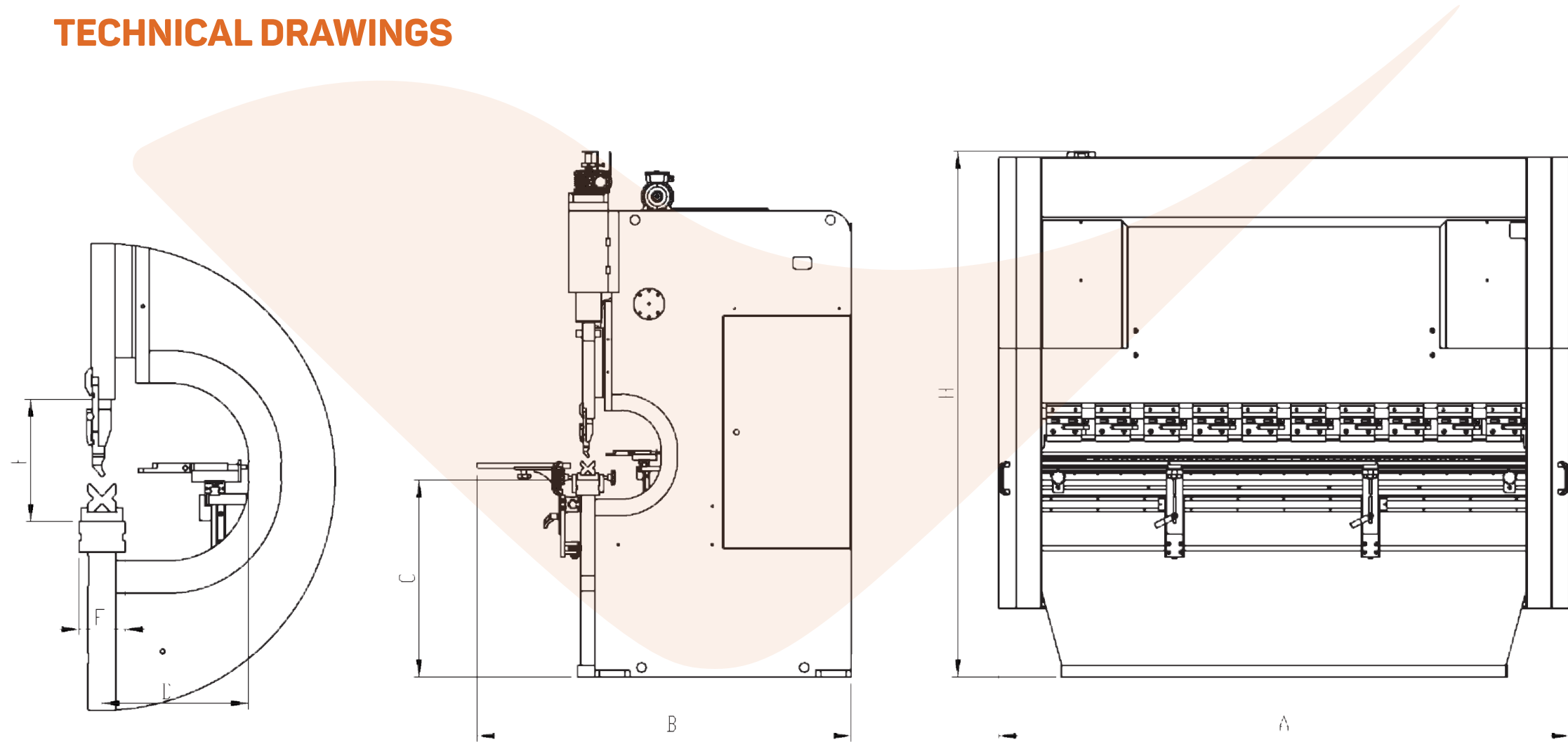
- ✔ Standard upper and lower molds
- ✔ Motorized X back gauge with high speed and programmed via NC control supported with linear guideways 600 mm gauge distance and 0.2 mm operating precision,
- ✔ Y AXIS Angle Setting by Motor and NC Controller available
- ✔ Quick-release PROMECAM upper Die clamping system for partial and quick disassembly Manual crowning system which can be adjusted with the help of wedge from the upper die holders
- ✔ Easily floating arm control panel
- ✔ Front support arms that can be easily moved with linear slide and bearing systems
- ✔ Tightening and fixing bolts to center the bottom die
- ✔ Sensitive programmable retreat function on Backgauge to avoid collision

OPTIONAL EQUIPMENT

- ✔ Special bending dies
- ✔ Special pedal system with two hand and foot control
- ✔ Special safety systems (DSP, FIESSLER)
- ✔ Additional length in backgauge
- ✔ Extra back gauge duck
- ✔ Extra front support arm
- ✔ Motorized R-axis with precision movement
- ✔ Manual or Motorized Cambering on Lower Blade

MODEL	UNIT	VPB 1030 NC	VPB 1230 NC	VPB 1540 NC	VPB 2160 NC	VPB 2690 NC	VPB 31135 NC
Bending Power	ton	30	30	40	60	90	135
Working Length	mm	1050	1270	1550	2100	2600	3150
Distance Between Frames	mm	810	1010	1100	1700	2100	2600
Mobile Piston Working Stroke	mm	150	150	160	160	200	250
Throat Depth (D)	mm	255	255	320	320	410	415
Idle Speed	(mm/s)	70	70	90	90	95	100
Bending Speed	(mm/s)	10	10	10	10	10	10
Daylight (E)	mm	265	265	320	320	410	415
Motor Power	kW	3	3	5,5	7,5	11	15
Motor X-Axis	kW	0,55	0,55	0,75	0,75	0,75	0,75
Motor Y-Axis	kW	0,18	0,18	0,37	0,37	0,37	0,37
Motor R Axis (optional)	kW	-	-	0,25	0,25	0,37	0,37
Table Width (F)	mm	130	130	100	100	100	100
Table Height (C)	mm	830	830	845	845	845	845
Length (A)	mm	1560	1760	2000	2450	3000	3600
Width (B)	mm	1375	1375	1600	1600	1750	1800
Height (H)	mm	2160	2160	2235	2235	2500	2500
Back Gauge Length	mm	500	500	600	600	600	600
Weight	kg	1500	1700	2450	5450	5900	7300

TECHNICAL DRAWINGS





VMGS

MOTORISED GUILLOTINE SHEAR

02





VMGS

MOTORISED GUILLOTINE SHEAR

STANDARD FEATURES

- ✓ Machines have Strong, welded and solid steel body providing maximum cutting precision
- ✓ For 2 - 3 mm Machines, 2 cutting edges on the upper blade 2 cutting edges on the lower blade
- ✓ Machines body from steel
- ✓ For 4 - 5 - 6 Machines, 2 cutting edges on the upper blade 4 cutting edges on the lower blade
- ✓ Machines body from steel
- ✓ 600 mm manual Back Gauge
- ✓ For 2-3 mm machines, T-slotted square with 800 mm length and metric ruler.
- ✓ For 4-5-6mm machines, T-slotted square with 1000 mm length with stopper and metric ruler.
- ✓ Mechanical pressure system that prevents the sheet from slipping during cutting
- ✓ Easily adjustable blade gap adjustment system
- ✓ Ball bearing front table
- ✓ Squaring arm with metric ruler.
- ✓ Cutting line illumination
- ✓ Front hand protection guard
- ✓ Foot pedal
- ✓ Rear foot guard
- ✓ Emergency stop buttons.
- ✓ Front support arms

GENERAL SPECIFICATIONS

- ✓ VMGS SERIES motorized Guillotine
- ✓ Shears up to 6 mm thick Suitable machines for sheet metal cutting.
- ✓ Machine body from welded steel
- ✓ Double-edged upper and lower blades
- ✓ Teflon on the two sides of the upper cutter for long life.
- ✓ Easy maintenance system
- ✓ Easy adjustable gauge
- ✓ Mechanical pressure system that prevents the sheet from slipping during cutting

OPTIONAL EQUIPMENT

- ✓ 750 mm stroke motorised NC control backgauge
- ✓ 1000 mm stroke motorised NC control backgauge
- ✓ Pneumatic Sheet Support System
- ✓ Optical light barrier system
- ✓ 0-180° Angular cutting device
- ✓ Cut piece counter
- ✓ 2 - 3 meters squaring arm with metric ruler.
- ✓ DELTA 7" touchscreen NC Control Unit
- ✓ ELGO PIVOT touchscreen NC Control Unit
- ✓ Sheet collecting unit at the back

MODEL	Cutting Capacity	Max. Cutting Capacity (A)	Cutting Angle	Cuts Per Minute	Table Length	Table Height	Table Width	Back Gauge Distance	Length (F)	Depth (G)	Height (h)	Engine Power	Weight
UNIT	mm	mm	o	RPM	mm	mm	mm	mm	mm	mm	mm	kW	kg
VMGS 1002	2	1050	2,3	30	1325	800	410	600	1685	1302	1123	2.2	700
VMGS 1302	2	1350	2,3	30	1625	800	410	600	1985	1302	1123	2.2	800
VMGS 1502	2	1550	2,3	30	1825	800	410	600	2185	1302	1123	2.2	950
VMGS 2002	2	2050	1,5	30	2325	800	410	600	2685	1302	1123	3	1250
VMGS 2502	2	2550	1,5	30	2825	800	410	600	3185	1302	1123	3	1750
VMGS 1003	3	1050	2,3	35	1355	800	520	600	1720	1575	1230	3	1100
VMGS 1303	3	1350	2,3	35	1655	800	520	600	2020	1575	1230	3	1350
VMGS 1503	3	1550	2,3	35	1855	800	520	600	2220	1575	1230	3	1600
VMGS 2003	3	2050	1,5	35	2355	800	520	600	2720	1575	1230	3	1900
VMGS 2503	3	2550	1,5	30	2855	800	520	600	3220	1575	1230	4	2200
VMGS 3003	3	3050	1,5	30	3355	800	520	600	3720	1575	1230	4	2500
VMGS 3503	3	3550	1,3	30	3855	800	520	600	4220	1575	1230	5.5	3500
VMGS 4003	3	4050	1,2	30	4355	800	520	600	4720	1575	1230	5.5	4750
VMGS 1004	4	1050	2,3	30	1355	800	530	600	1720	1630	1230	4	1800
VMGS 1304	4	1350	2,3	30	1655	800	530	600	2020	1630	1230	4	2150
VMGS 1504	4	1550	2,3	30	1855	800	530	600	2220	1630	1230	4	2350
VMGS 2004	4	2050	1,5	30	2355	800	530	600	2720	1630	1230	7.5	2850
VMGS 2504	4	2550	1,5	30	2855	800	530	600	3220	1630	1230	7.5	3350
VMGS 3004	4	3050	1,5	30	3355	800	530	600	3720	1630	1230	7.5	3850
VMGS 3504	4	3550	1,3	30	3855	800	530	600	4220	1630	1230	7.5	4650
VMGS 4004	4	4050	1,2	30	4355	800	530	600	4720	1630	1230	7.5	5500
VMGS 1005	5	1050	2,3	30	1355	800	530	600	1720	1630	1230	7.5	1900
VMGS 1305	5	1350	2,3	30	1655	800	530	600	2020	1630	1230	7.5	2250
VMGS 1505	5	1550	2,3	30	1855	800	530	600	2220	1630	1230	7.5	2500
VMGS 2005	5	2050	1,5	30	2355	800	530	600	2720	1630	1230	7.5	3000
VMGS 2505	5	2550	1,5	30	2855	800	530	600	3220	1630	1230	7.5	3500
VMGS 3005	5	3050	1,5	30	3355	800	530	600	3720	1630	1230	7.5	4000
VMGS 1006	6	1050	2,3	30	1355	800	530	600	1720	1630	1230	7.5	2000
VMGS 1306	6	1350	2,3	30	1655	800	530	600	2020	1630	1230	7.5	2350
VMGS 1506	6	1550	2,3	30	1855	800	530	600	2220	1630	1230	7.5	2600
VMGS 2006	6	2050	1,5	30	2355	800	530	600	2720	1630	1230	7.5	3200
VMGS 2506	6	2550	1,5	25	2855	800	530	600	3220	1630	1230	11	3750

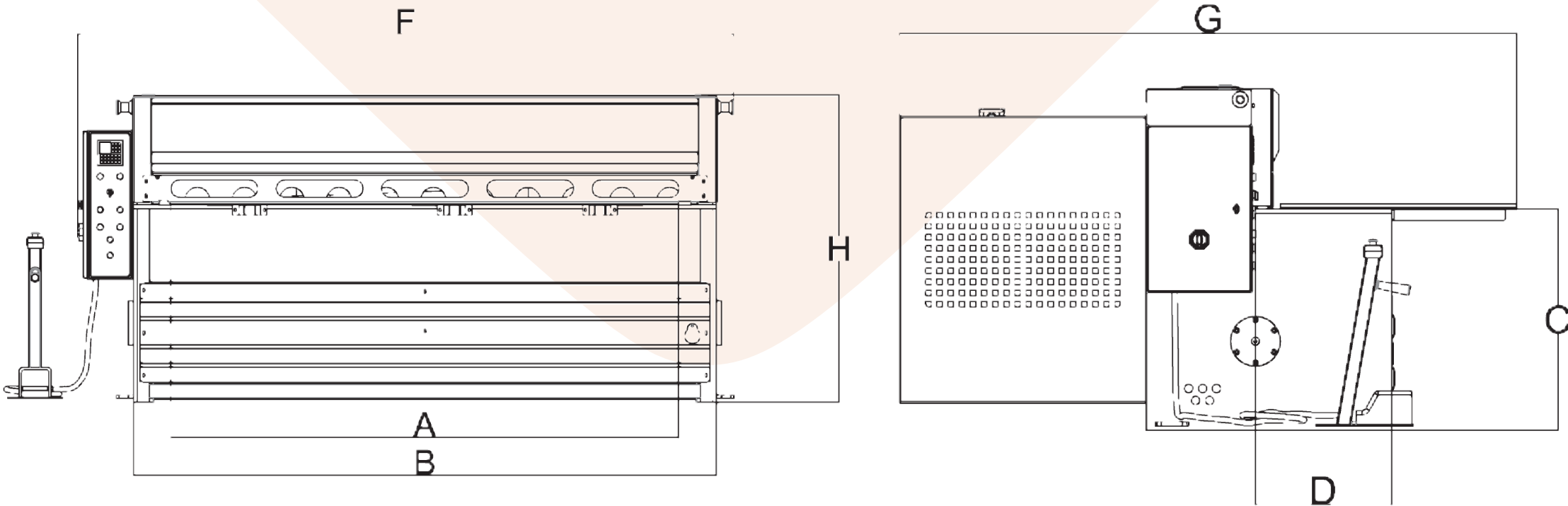


VMGS

MOTORISED GUILLOTINE SHEAR

The VMGS series brings motorized powerful working for your light to moderate cutting process. With ball transfer system ultra thin sheets can be positioned without any difficulty. VMGS series guillotine shears allow it to cut from 1050mm to 4050mm shearing length, and 6mm shearing capacity. This machine working principle is called direct drive, which means couples the load directly to the motor without any mechanical transmission. Advantages of this technology are increased production cycle. They are suitable for maximizing serial production. Direct drive system is also provides to minimizing industrial noise in your factory.

TECHNICAL DRAWINGS





V4R HPR PRO

4 ROLLS HYDRAULIC PLATE ROLLING MACHINES

03





V4R HPR PRO

4 ROLLS HYDRAULIC PLATE ROLLING MACHINES

STANDARD FEATURES

- ✔ **7" inch touch screen display**
- ✔ **PLC controlled automatic bending (playback):**The part bent by the operator is recorded by the intelligent technology PLC. Thus, the following bendings are bent by the machine.
- ✔ **Ability to give warning on the 7"inch touch screen display when the maintenance time comes**
- ✔ **Alarm messages on 7"inch touch-screen displaying warnings on the machine**
- ✔ **Three-stage rotation speed feature conducted by the operator on the control panel**
- ✔ **Conical Bending System**
- ✔ **Hardened Rolls with induction**
- ✔ **Hidden encoder that records the rotation movement against crushes**
- ✔ **Remote access to PLC and screen via the internet by means of intelligent technology**
- ✔ **Calculation screen that computes the arc and depth required for bending control during the operation**
- ✔ **Mobile control panel with wheels separated from the machine**

OPTIONAL EQUIPMENT

- ✔ **Central lift**
- ✔ **Hydraulic Side Supports**
- ✔ **Automatic Central Lubrication System**

MODEL	Working Length	Max. Thickness	Pre-Bending	Top/Down Rolls	Side Rolls	Motor Power	Length	Height	Width	Weight	Min. Bending Diameter
UNIT	mm	mm	mm	∅ mm	∅ mm	kW	mm	mm	mm	kg	
V4R HPR PRO 160x2000	2100	6	4	160	140	5,5	3600	1300	1200	2300	Min ∅ : Roll ∅ x 3
V4R HPR PRO 180x2000	2100	8	6	180	150	5,5	4100	1600	1450	3800	Min ∅ : Roll ∅ x 3
V4R HPR PRO 200x2000	2100	10	8	200	180	7,5	4200	1600	1450	4500	Min ∅ : Roll ∅ x 3
V4R HPR PRO 220x2000	2100	13	10	220	180	7,5	4200	1600	1450	5100	Min ∅ : Roll ∅ x 3
V4R HPR PRO 255x2000	2100	16	13	255	210	11	4200	1600	1470	5350	Min ∅ : Roll ∅ x 3
V4R HPR PRO 275x2000	2100	20	16	275	220	15	4300	1625	1830	8200	Min ∅ : Roll ∅ x 3
V4R HPR PRO 310x2000	2100	25	20	310	230	18,5	4300	1625	1830	9750	Min ∅ : Roll ∅ x 3
V4R HPR PRO 340x2000	2100	30	25	340	250	22	4650	2050	1950	12000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 385x2000	2100	40	30	385	290	30	4800	2250	2000	16000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 400x2000	2100	45	35	400	300	37	4900	2350	2250	17000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 460x2000	2100	50	40	460	350	37	5320	2600	2310	25000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 500x2000	2100	55	45	500	400	45	5550	2900	2800	33500	Min ∅ : Roll ∅ x 3
V4R HPR PRO 540x2000	2100	60	50	540	450	55	5700	3050	3050	37500	Min ∅ : Roll ∅ x 3
V4R HPR PRO 180x2600	2600	6	4	180	150	5,5	4100	1600	1450	4000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 200x2600	2600	8	6	200	180	7,5	4700	1600	1450	5625	Min ∅ : Roll ∅ x 3
V4R HPR PRO 220x2600	2600	10	8	220	180	7,5	4700	1600	1450	6000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 255x2600	2600	13	10	255	210	11	4700	1600	1470	6600	Min ∅ : Roll ∅ x 3
V4R HPR PRO 275x2600	2600	16	13	275	220	15	4800	1625	1830	7750	Min ∅ : Roll ∅ x 3
V4R HPR PRO 310x2600	2600	20	16	310	240	18,5	4800	1625	1830	8600	Min ∅ : Roll ∅ x 3
V4R HPR PRO 340x2600	2600	25	20	340	250	22	5100	2050	1950	15000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 385x2600	2600	30	25	385	290	30	5300	2250	2000	17000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 400x2600	2600	40	30	400	300	37	5400	2350	2250	18000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 460x2600	2600	45	35	460	350	37	5850	2600	2310	29000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 500x2600	2600	50	40	500	390	45	6050	2900	2800	38000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 540x2600	2600	60	50	540	450	55	6200	3050	3050	46000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 200x3000	3000	6	4	200	180	7,5	5300	1600	1450	7100	Min ∅ : Roll ∅ x 3
V4R HPR PRO 220x3000	3000	8	6	220	180	7,5	5200	1600	1450	6900	Min ∅ : Roll ∅ x 3
V4R HPR PRO 255x3000	3000	10	8	255	210	11	5200	1600	1470	7500	Min ∅ : Roll ∅ x 3
V4R HPR PRO 275x3000	3000	13	10	275	220	15	5500	1625	1830	10000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 310x3000	3000	16	13	310	240	22	5300	1625	1830	11500	Min ∅ : Roll ∅ x 3
V4R HPR PRO 340x3000	3000	20	16	340	250	22	5800	2050	1950	18750	Min ∅ : Roll ∅ x 3
V4R HPR PRO 385x3100	3000	25	20	385	290	30	6000	2300	2100	19500	Min ∅ : Roll ∅ x 3
V4R HPR PRO 400x3000	3000	35	25	400	330	37	5900	2350	2250	21500	Min ∅ : Roll ∅ x 3
V4R HPR PRO 460x3000	3000	40	33	460	350	37	6550	2600	2310	32000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 500x3000	3000	45	35	500	390	45	6550	2900	2800	41000	Min ∅ : Roll ∅ x 3
V4R HPR PRO 540x3000	3000	50	40	540	450	55	6900	3050	3050	60000	Min ∅ : Roll ∅ x 3



V4R HPR PRO

4 ROLLS HYDRAULIC PLATE ROLLING MACHINES





V4R HPR

4 ROLLS HYDRAULIC PLATE ROLLING MACHINES

04





V4R HPR

4 ROLLS HYDRAULIC PLATE ROLLING MACHINES

STANDARD FEATURES

- ✔ Very suitable for light and medium plates, aluminum or stainless steel
Ferrules in full circle or varying radiuses can be done easily
- ✔ Pinch Roll and Lateral Rolls move with pyramid linear direct movement
by hydraulic pistons
- ✔ Overload Protection
- ✔ Top roll is powered by electrical motor and planetary gearbox. Bottom
roll powered with cardan joint system.
- ✔ Three digital readouts for easy roll positioning
- ✔ Hydraulic DropEnd for easy removal of finished ferrule
- ✔ Easy operation with Mobile Control Panel
- ✔ Welded Steel frames
- ✔ Induction hardened forged or rolled SAE 1050 (CK 45) Steel Rolls
- ✔ Conical Bending device
- ✔ Hydraulic balancing system
- ✔ Built according to EC Safety Directives and has CE Mark
- ✔ User's manual

OPTIONAL EQUIPMENT

- ✔ Automation with NC Control
- ✔ Overhead Crane for large diameters
- ✔ Hydraulic Lateral Side Supports for large diameters
- ✔ Ground and polished rolls
- ✔ Double speed system
- ✔ Infinitely Variable Speed
- ✔ Hydromotor for rotation
- ✔ Ejector system

MODEL	Usefull Length	Prebending Capacity	Bending Capacity	Top and Bottom Roll Dia.	Lateral Roll Diameter	Min. Bending Diameter	Motor Power	Working Speed	Length	Width	Height	Weight
UNIT	mm	mm(x1.5/x5)	mm(x1.5/x5)	mm	mm	mm	kW	m/min	mm	mm	mm	kg
V4R HPR 650x80	650	2,5/3	3/3,5	80	80	120/400	1,1+1,1	5	1950	950	960	950
V4R HPR 1050x80	1050	1,5/2	2/2,5	80	80	120/400	1,1+0,75	5	2350	950	960	1150
V4R HPR 1050x100	1050	2/2,5	2,5/3,5	100	90	150/500	1,1+0,75	6,5	2350	1150	960	1250
V4R HPR 1050x130	1050	4/5	5/6	130	130	195/650	2,2+1,1	5	2770	1150	1100	2050
V4R HPR 1270x80	1270	1/1,5	1,5/2	80	80	120/400	1,1+1,1	5	2570	950	960	1250
V4R HPR 1270x100	1270	1,5/2	2/3	100	90	150/450	1,1+1,1	6,5	2570	950	960	1350
V4R HPR 1270x130	1270	3/4	4/5	130	130	195/650	2,2+1,1	5	3020	1150	1110	2150
V4R HPR 1270x150	1270	4/5	5/7	150	130	225/750	2,2+1,1	6	3020	1150	1110	2155
V4R HPR 1270x180	1270	5,5/7,5	7,5/10	180	150	270/900	4,0+1,5	5	3070	1350	1290	2700
V4R HPR 1270x200	1270	8/10	10/12	200	180	300/1000	4,0+1,5	6	3070	1350	1290	3000
V4R HPR 1550x80	1550	0,5/1	1/1,5	80	80	120/400	1,1	5	2850	950	960	1350
V4R HPR 1550x100	1550	1/1,5	1,5/2	100	90	150/450	1,1	6,5	2850	950	960	1500
V4R HPR 1550x130	1550	2,5/3,5	3,5/4,5	130	130	195/650	2,2+1,1	5	3300	1150	1110	2250
V4R HPR 1550x150	1550	3,5/4,5	4,5/6,5	150	130	225/750	2,2+1,1	6	3300	1150	1110	2370
V4R HPR 1550x180	1550	5/7	7/9	180	150	270/900	4,0+1,5	5	3350	1350	1290	2900
V4R HPR 1550x200	1550	7/9	9/11	200	180	300/1000	4,0+1,5	6	3350	1350	1290	3250
V4R HPR 1550x220	1550	8/10	10/12	220	180	330/1100	5,5+1,5	5	3500	1500	1370	4250
V4R HPR 1550x250	1550	10/12	12/15	250	200	375/1250	7,5+1,5	5	3500	1500	1370	4650
V4R HPR 2050x130	2050	2/3	3/4	130	130	195/650	2,2+1,1	5	3800	1150	1110	2450
V4R HPR 2050x150	2050	3/4	4/6	150	130	225/750	2,2+1,1	6	3800	1150	1110	2800
V4R HPR 2050x180	2050	4/6	6/8	180	150	270/900	4,0+1,5	5	3850	1350	1290	3300
V4R HPR 2050x200	2050	6/8	8/10	200	180	300/1000	4,0+1,5	6	3850	1350	1290	3750
V4R HPR 2050x220	2050	7/9	9/11	220	180	330/1100	5,5+1,5	5	4000	1500	1370	4800
V4R HPR 2050x250	2050	8/10	10/12	250	200	375/1250	7,5+1,5	5	4000	1500	1370	5350
V4R HPR 2550x150	2550	2/3	3/4	150	130	225/750	2,2+1,1	6	4300	1150	1110	3230
V4R HPR 2550x180	2550	3/4	4/6	180	150	270/900	4,0+1,5	5	4350	1350	1290	3700
V4R HPR 2550x200	2550	4/6	6/8	200	180	300/1000	4,0+1,5	6	4350	1350	1290	4250
V4R HPR 2550x220	2550	5/7	7/9	220	180	330/1100	5,5+1,5	5	4500	1500	1370	5400
V4R HPR 2550x250	2550	6/8	8/10	250	200	375/1250	7,5+1,5	5	4500	1500	1370	6500
V4R HPR 3100x180	3100	2/3	3/4	180	150	270/900	4,0+1,5	5	4850	1350	1290	4100
V4R HPR 3100x200	3100	3/4	4/6	200	180	300/1000	4,0+1,5	6	4850	1350	1290	4750
V4R HPR 3100x220	3100	4/6	6/8	220	180	330/1100	5,5+1,5	5	5000	1500	1370	6000
V4R HPR 3100x250	3100	5/7	7/9	250	200	375/1250	7,5+1,5	5	5000	1500	1370	6800



V4R HPR

4 ROLLS HYDRAULIC PLATE ROLLING MACHINES





V3R MPR

3 ROLLS MECHANICAL PLATE ROLLING MACHINES

05





V3R MPR

3 ROLLS MECHANICAL PLATE ROLLING MACHINES

STANDARD FEATURES

- ✔ This mechanical model is designed for light to medium jobs. It is used in jobs up to 10 mm thickness materials. It is used in Aluminium Bendings, Air Conditioning Channels, Advertising Panels and Sheet Metal Covers.
- ✔ All models are planet reducer driven
- ✔ SAE 1050 (CK 45) Quality Certificated Steel Rolls with high tensile strength
- ✔ Steel Welded Main Frames
- ✔ Mechanical manual openable dropend
- ✔ Mobile Control Panel
- ✔ Conical Bending Device
- ✔ Central lubrication system
- ✔ Top roll support system
- ✔ Precision Bending with Brake Motor
- ✔ Motorised Adjustment of Back Roll
- ✔ Built according to EC Safety Directives (CE certificate)
- ✔ User's manual

OPTIONAL EQUIPMENT

- ✔ Digital Read-Out for Rear (back) Roll
- ✔ Induction Hardened Rolls
- ✔ Extended Roll Shafts for Profile and Pipe Bending operation
- ✔ Profile and Section Bending Rolls set
- ✔ Motorised bottom roll
- ✔ Plastic coated top roll for Alucobond bending
- ✔ Variable stepless speed
- ✔ NC Control

MODEL	Bending Length	Prebending Capacity	Bending Capacity	Top and Bottom Roll Dia.	Min. Bending Diameter	Motor Power	Arka Top Motor Power	Length	Width	Height	Weight
UNIT	mm	mm	mm	mm	mm	kW	kW	mm	mm	mm	kg
V3R MPR 1050x130	1050	5/6	6/7	130	195	2,2	1,1	2750	650	1020	1200
V3R MPR 1050x150	1050	6/7	7/8	150	225	3	1,1	2750	680	1040	1450
V3R MPR 1050x170	1050	7/8	8/10	170	255	4	1,1	2850	720	1050	1600
V3R MPR 1050x190	1050	8/9	9/10	190	285	4	1,5	3200	950	1300	2450
V3R MPR 1550x130	1550	4/5	5/6	130	195	2,2	1,1	3250	650	1020	1400
V3R MPR 1550x150	1550	5/6	6/7	150	225	3	1,1	3250	680	1040	1650
V3R MPR 1550x170	1550	6/7	7/8	170	255	4	1,1	3350	720	1050	1850
V3R MPR 1550x190	1550	7/8	8/9	190	285	4	1,5	3700	950	1300	2750
V3R MPR 2050x130	2050	2/3	3/4	130	195	2,2	1,1	3750	650	1020	1600
V3R MPR 2050x150	2050	3/4	4/5	150	225	3	1,1	3750	680	1040	1885
V3R MPR 2050x170	2050	4/5	5/6	170	255	4	1,1	3850	720	1050	2100
V3R MPR 2050x190	2050	5/6	6/7	190	285	4	1,5	4200	950	1300	3100
V3R MPR 2550x150	2550	2/3	3/4	150	225	3	1,1	4250	650	1020	2150
V3R MPR 2550x180	2550	3/4	4/5	180	270	4	1,5	4350	950	1300	3050
V3R MPR 2550x190	2550	4/5	5/6	190	285	4	1,5	4700	950	1300	3400
V3R MPR 2550x220	2550	5/6	6/7	120	330	5,5	2,2	4700	1150	1400	5000
V3R MPR 3050x160	3050	1,5/2	2/3	160	240	4	1,1	4850	720	1050	2650
V3R MPR 3050x190	3050	2/3	3/4	190	285	4	1,5	5200	950	1300	3750
V3R MPR 3050x200	3050	3/4	4/5	100	300	4	1,5	5200	950	1300	4000
V3R MPR 3050x220	3050	4/5	5/6	120	330	5,5	2,2	5200	1150	1400	6000



V3R MPR

3 ROLLS MECHANICAL PLATE ROLLING MACHINES





V3R IRM

3 ROLLS MECHANICAL PLATE ROLLING MACHINES

06





V3R IRM

3 ROLLS MECHANICAL PLATE ROLLING MACHINES

STANDARD FEATURES

- ✔ This mechanical model is designed for light to medium jobs. It is used in jobs up to 5 mm thickness materials. It is used in Aluminium Bendings, Air Conditioning Channels, Advertising Panels and Sheet Metal Covers. Its ideal price makes very attractive for small workshops.
- ✔ Two rolls powered by a single gearbox and gear system for top and bottom rolls
- ✔ SAE 1050 Quality certificated steel rolls with high tensile strength
- ✔ Spheroid Cast Iron Main Frames
- ✔ Mobile control panel by foot pedal
- ✔ Conical Bending Device
- ✔ Manual dropend
- ✔ Top roll support system with bearing

STANDARD FEATURES

- ✔ Wire grooves at the end of the rolls
- ✔ Precision Bending with Brake Motor
- ✔ Built according to EC Safety Directives (CE Certificate)
- ✔ Model IRM 2550x140 produced standard with motorised back roll
- ✔ User's Manual

OPTIONAL EQUIPMENT

- ✔ Motorised back roll adjustment
- ✔ Digital readout for rear roll
- ✔ Induction hardened rolls
- ✔ Adjustable Stepless Speed

MODEL	Bending Length	Bending Capacity	Roll Diameters	Roll Speed	Motor Power	Wire Grooves Diameter	Length	Width	Height	Weight
UNIT	mm	mm	mm	m/dk	kW	mm	mm	mm	mm	kg
V3R IRM 1050x110	1050	4	110	3	2.2	4/7/9/13	2200	750	1000	990
V3R IRM 1050x130	1050	5	130	3.5	2.2	4/7/9/13	2200	750	1000	1200
V3R IRM 1270x120	1270	4	120	3	2.2	4/7/9/13	2470	750	1000	1115
V3R IRM 1270x140	1270	5	140	3.5	2.2	4/7/9/13	2470	750	1000	1350
V3R IRM 1550x110	1550	3	110	3	2.2	4/7/9/13	2700	750	1000	1200
V3R IRM 1550x140	1550	4	140	3.5	2.2	4/7/9/13	2700	750	1000	1420
V3R IRM 2050x110	2050	2	110	3	2.2	4/7/9/13	3200	750	1000	1380
V3R IRM 2050x130	2050	3	130	3.5	2.2	4/7/9/13	3200	750	1000	1500
V3R IRM 2050x140	2050	4	140	3.5	2.2	4/7/9/13	3200	750	1000	1650
V3R IRM 2550x140	2050	2,5	140	3.5	2.2	4/7/9/13	3700	750	1000	1850



V3R RM

3 ROLLS MOTORISED AND MANUAL
PLATE ROLLING MACHINES

07





V3R RM

3 ROLLS MOTORISED AND MANUAL PLATE ROLLING MACHINES

STANDARD FEATURES

- ✔ Top and bottom rolls powered by a single Gearbox and chaingear system (RM)
- ✔ SAE 1050 Quality Certificated Steel Rolls with high tensile strength
- ✔ Cast Iron Main Frames
- ✔ Mobile Control Panel by foot pedal on RM models
- ✔ Conical Bending Device
- ✔ Manual dropend
- ✔ Wire grooves at the end of the rolls
- ✔ Precision Bending with Brake Motor on RM models
- ✔ Built according to EC Safety Directives (CE)
- ✔ User's manual

OPTIONAL EQUIPMENT

- ✔ Motorised back roll adjustment
- ✔ Digital readout for rear roll
- ✔ Induction hardened rolls
- ✔ Optional variable speed system
- ✔ Optional full closed sheet covers (RS)

MODEL	Usefull Length	Bending Capacity	Roll Diameters	Roll Speed	Motor Power	Wire Grooves Diameter	Length	Width	Height	Weight
UNIT	mm	mm	mm	m/dk	kW	mm	mm	mm	mm	kg
RM 1050x90	1050	3.0	90	6	1.1	4/6/9	1630	700	1200	480
RM 1270x90	1270	2.5	90	6	1.1	4/6/9	1850	700	1200	520
RM 1550x90	1550	2.0	90	6	1.5	4/6/9	2130	700	1200	580
RM 2050x95	2050	1.5	95	6	1.5	4/6/9	2630	700	1200	715
RS 1050x90	1050	3.0	90	-	-	4/6/9	2080	700	1250	410
RS 1270x90	1270	2.5	90	-	-	4/6/9	2300	700	1250	450
RS 1550x90	1550	2.0	90	-	-	4/6/9	2580	700	1250	560
RS 2050x95	2050	1.5	95	-	-	4/6/9	3080	700	1250	650



V3 HAR

HYDRAULIC ANGLE ROLLING MACHINES

08



STANDARD FEATURES

- ✔ 7"inch touch screen display
- ✔ PLC controlled automatic bending (playback): The part bent by the operator is recorded by the intelligent technology PLC. Thus, the following bendings are bent by the machine.
- ✔ Keypad that can be adjusted to horizontal or vertical working position with one button
- ✔ The feature of converting the rotation of the rollers to continuous rotation with a single button during the bending process.
- ✔ Ability to give warning on the 7"inch touch screen display when maintenance time comes
- ✔ Alarm messages on 7"inch touch screen displaying warnings on the machine
- ✔ Double-stage rotation speed
- ✔ Flexing device that prevents the upper roller from flexing
- ✔ Hidden encoder that records the rotation movement against crashes
- ✔ Remote access to PLC and screen via the internet by means of intelligent technology
- ✔ Calculation screen that calculates the arc and depth required for bending control during the operation
- ✔ It has multi-purpose bending molds (Optional)
- ✔ Mobile control panel with wheels separated from the machine
- ✔ It has a serpentine bending feature.

V3 HAR 60





V3 HAR

HYDRAULIC ANGLE ROLLING MACHINES

STANDARD FEATURES

- ✔ 7"inch touch screen display
- ✔ PLC controlled automatic bending (playback): The part bent by the operator is recorded by the intelligent technology PLC. Thus, the following bending are bent by the machine.
- ✔ A keypad that can be adjusted to horizontal or vertical working position with one button
- ✔ The feature of converting the rotation of the rollers to continuous rotation with a single button during the bending process.
- ✔ Ability to give warning on the 7"inch touch screen display when maintenance time comes
- ✔ Alarm messages on 7"inch touch screen displaying warnings on the machine
- ✔ Two-stage rotation speed
- ✔ Flexing device that prevents the upper roller from flexing
- ✔ Hidden encoder that records the rotation movement against crashes
- ✔ Remote access to PLC and screen via the internet by means of intelligent technology
- ✔ Calculation screen that calculates the arc and depth required for bending control during the operation
- ✔ It has multi-purpose bending molds.
- ✔ Mobile control panel with wheels separated from the machine
It has a serpentine bending feature.

V3 HAR 80

OPTIONAL EQUIPMENT

- ✔ Special Molds for bending different pipe diameters
- ✔ Hydraulic Side Supports that facilitate bending





V3 HAR

HYDRAULIC ANGLE ROLLING MACHINES

STANDARD FEATURES



















- ✔ 7"inch touch screen display
- ✔ PLC controlled automatic bending (playback): The part bent by the operator is recorded by the intelligent technology PLC. Thus, the following bendings are bent by the machine.
- ✔ Keypad that can be adjusted to horizontal or vertical working position with one button
- ✔ The feature of converting the rotation of the rollers to continuous rotation with a single button during the bending process.
- ✔ Ability to give warning on the 7"inch touch screen display when maintenance time comes
- ✔ Alarm messages on 7"inch touch screen displaying warnings on the machine
- ✔ Three-stage rotation speed
- ✔ Three-stage rotation speed feature conducted by the operator on the control panel
- ✔ Flexing device that prevents the upper roller from flexing
- ✔ Hidden encoder that records the rotation movement against crashes
- ✔ Remote access to PLC and screen via the internet by means of intelligent technology
- ✔ It has a calculation page that calculates the arc and depth required for bending control during the bending process.
- ✔ Multi-purpose bending molds
- ✔ Mobile control panel with wheels separated from the machine
- ✔ It has a serpentine bending feature.

V3 HAR 100

OPTIONAL EQUIPMENT

- ✔ Special Molds for bending different pipe diameters
- ✔ Hydraulic side supports that facilitate bending



MODEL	V3 HAR 120			V3 HAR 100			V3 HAR 80			V3 HAR 60		
TECHNICAL SPECIFICATIONS	Material Size (mm)	Min. Diameter (Ømm)	Rolls	Material Size (mm)	Min. Diameter (Ømm)	Rolls	Material Size (mm)	Min. Diameter (Ømm)	Rolls	Material Size (mm)	Min. Diameter (Ømm)	Rolls
 SQUARE TUBE	KP 50x50x3 KP 100x100x5	Ø450 Ø2000	STANDARD+P STANDARD+P	KP 50x50x3 KP 90x90x4 KP 100x100x6	Ø550 Ø2300 Ø2700	STANDARD+P STANDARD+P STANDARD+P	KP 50x50x2 KP 80x80x3	Ø500 Ø1600	STANDARD+P STANDARD+P	KP 15x15x2 KP 40x40x3 KP 60x60x3	Ø230 Ø330 Ø3000	STANDARD+P STANDARD+P STANDARD+P
 RECTANGLE TUBE	KP 30x50x4 KP 40x120x5	Ø450 Ø1200	STANDARD+P STANDARD+P	KP 50x30x3 KP 40x80x7 KP 50x100x5	Ø450 Ø800 Ø2000	STANDARD+P STANDARD+P STANDARD+P	KP 50x30x3 KP 40x80x5 KP 50x100x2	Ø600 Ø1600 Ø3000	STANDARD+P STANDARD+P STANDARD+P	KP 20x40x3 KP 40x60x3 KP 40x80x2	Ø400 Ø2500 Ø5000	STANDARD+P STANDARD+P STANDARD+P
 PLATE HARDWAY	150x30 50x10	Ø2100 Ø450	STANDARD STANDARD	50x10 80x25 120x30	Ø400 Ø500 Ø2000	STANDARD STANDARD STANDARD	50x10 80x20 100x25	Ø350 Ø600 Ø1900	STANDARD STANDARD STANDARD	20x10 50x10 80x10	Ø230 Ø400 Ø1400	STANDARD STANDARD STANDARD
 PLATE EASYWAY	40x220 20x120	Ø600 Ø500	STANDARD STANDARD	70x10 120x25 180x40	Ø400 Ø550 Ø900	STANDARD STANDARD STANDARD	60x10 80x20 120x40	Ø300 Ø350 Ø750	STANDARD STANDARD STANDARD	50x10 80x10	Ø220 Ø450	STANDARD STANDARD
 FULL SQUARE	80x80 35x35	Ø800 Ø450	STANDARD STANDARD	20x20 40x40 60x60	Ø400 Ø500 Ø900	STANDARD STANDARD STANDARD	30x30 35x35 50x50	Ø300 Ø400 Ø1500	STANDARD STANDARD STANDARD	20x20 25x25 35x35	Ø230 Ø350 Ø1000	STANDARD STANDARD STANDARD
 TUBE	Ø48,4x2,5 Ø114x3 Ø168x3	Ø500 Ø900 Ø2000	SPECIAL SPECIAL SPECIAL	Ø48,4x2 Ø76,1x2 Ø114x2,5	Ø500 Ø800 Ø2000	SPECIAL SPECIAL SPECIAL	Ø21,3x2 Ø88,9x3 Ø101x3	Ø350 Ø900 Ø2500	SPECIAL SPECIAL SPECIAL	Ø33,7x2,5 Ø48,4x2,5 Ø60,3x2,5	Ø300 Ø400 Ø800	SPECIAL SPECIAL SPECIAL
 PIPE	Ø114x12 Ø139,4x5	Ø2000 Ø1500	SPECIAL SPECIAL	Ø33,7x4 Ø60,3x6 Ø114x8	Ø450 Ø1000 Ø1200	SPECIAL SPECIAL SPECIAL	Ø60,3x5 Ø88,9x4	Ø550 Ø1400	SPECIAL SPECIAL SPECIAL	Ø16x5 Ø51x3 Ø60,3x4	Ø230 Ø600 Ø1200	SPECIAL SPECIAL SPECIAL
 ROUND	Ø30 Ø80 Ø90	Ø500 Ø800 Ø1200	STANDARD STANDARD STANDARD	Ø40 Ø60 Ø70	Ø400 Ø600 Ø800	SPECIAL SPECIAL SPECIAL	Ø20 Ø40 Ø60	Ø390 Ø470 Ø950	SPECIAL SPECIAL SPECIAL	Ø25 Ø30 Ø40	Ø300 Ø500 Ø740	SPECIAL SPECIAL SPECIAL
 ANGLE LEG IN	L 60 L 100 L 120	Ø650 Ø1000 Ø1100	STANDARD STANDARD STANDARD	Ø650 Ø1000 Ø1100	Ø700 Ø1100 Ø1500	STANDARD STANDARD STANDARD	L 30 L 50 L 80	Ø400 Ø650 Ø1000	STANDARD STANDARD STANDARD	L 25 L 50	Ø300 Ø900	STANDARD STANDARD
 ANGLE LEG OUT	L 60 L 100 L 120	Ø650 Ø1000 Ø1100	STANDARD STANDARD STANDARD	L 50 L 70 L 100	Ø700 Ø1100 Ø1500	STANDARD STANDARD STANDARD	L 25 L 60 L 80	Ø400 Ø1000 Ø700	STANDARD STANDARD STANDARD	L 20 L 40 L 60	Ø300 Ø450 Ø600	STANDARD STANDARD STANDARD
 T SECTION LEG IN	T 40 T 100	Ø500 Ø1000	STANDARD STANDARD	T 30 T 100	Ø500 Ø900	STANDARD STANDARD	T 30 T 60 T 80	Ø400 Ø800 Ø1000	STANDARD STANDARD STANDARD	T 30 T 50 T 70	Ø300 Ø550 Ø1100	STANDARD STANDARD STANDARD
 T SECTION LEG OUT	T 40 T 120	Ø500 Ø1000	STANDARD STANDARD	T 30 T 100	Ø500 Ø900	STANDARD STANDARD	T 30 T 60 T 80	Ø300 Ø600 Ø800	STANDARD STANDARD STANDARD	T 30 T 60 T 80	Ø270 Ø500 Ø1000	STANDARD STANDARD STANDARD
 UNP EASY WAY LEGS OUT	NPU 65 NPU 160 NPU 200	Ø500 Ø700 Ø900	STANDARD STANDARD STANDARD	NPU 65 NPU 100 NPU 200	Ø450 Ø600 Ø1100	STANDARD STANDARD STANDARD	NPU 65 NPU 120 NPU 140	Ø350 Ø750 Ø1000	STANDARD STANDARD STANDARD	NPU 40 NPU 50 NPU 80	Ø300 Ø350 Ø500	STANDARD STANDARD STANDARD
 UNP EASY WAY LEGS IN	NPU 65 NPU 160 NPU 200	Ø500 Ø700 Ø900	STANDARD STANDARD STANDARD	NPU 65 NPU 100 NPU 200	Ø500 Ø700 Ø1200	STANDARD STANDARD STANDARD	NPU 65 NPU 120 NPU 140	Ø400 Ø800 Ø1000	STANDARD STANDARD STANDARD	NPU 40 NPU 50 NPU 65	Ø300 Ø450 Ø500	STANDARD STANDARD STANDARD
 INP BEAM EASY WAY	NPI 120 NPI 240	Ø500 Ø1100	STANDARD STANDARD	-	-	-	-	-	-	-	-	-
 INP BEAM HARD WAY	NPI 140	Ø5500	STANDARD+C	-	-	-	-	-	-	-	-	-
 HEA BEAM EASY WAY	HEA 140 HEB 140	Ø1200 Ø1200	STANDARD STANDARD	NPI 100 NPI 200	Ø600 Ø1100	STANDARD STANDARD	NPI 100 NPI 120	Ø450 Ø500	STANDARD STANDARD	NPI 80	Ø550	STANDARD
 HEB BEAM HARD WAY HEA BEAM HARD WAY	HEA 100 HEB 100	Ø2500 Ø1400	STANDARD+C STANDARD+C	-	-	-	-	-	-	-	-	-
SECTION MOMENTUM		125 cm ³			85 cm ³							
POWER		15 kW			11 kW			1,1/5,5/7,5 kW			0,75/3,5/5,5 kW	
ROLLS		390 mm			315 mm			245 mm			177 mm	
BENDING SPEED		1,5-5 m/dk/min			1,5-5 m/dk/min			6-10 m/dk/min			6-10 m/dk/min	
SHAFT DIAMETER (Ømm)		120 mm			100 mm			80 mm			60 mm	
WEIGHT (kg)		4800 kg			2400 kg			1700 kg			1000 kg	
SIZE W/L/H (mm)		1600/1900/2000			1350/1500/1650			1200/1400/1600			1000/1300/1400	



V3 HAR

HYDRAULIC ANGLE ROLLING MACHINES

STANDARD FEATURES

- ✔ 7"inch touch screen display
- ✔ PLC controlled automatic bending (playback): The part bent by the operator is recorded by the intelligent technology PLC. Thus, the following bendings are bent by the machine.
- ✔ Keypad that can be adjusted to horizontal or vertical working position with one button
- ✔ The feature of converting the rotation of the rollers to continuous rotation with a single button during bending process.
- ✔ Ability to give warning on the 7"inch touch screen display when maintenance time comes
- ✔ Alarm messages on 7"inch touch screen displaying warnings on the machine
- ✔ Three-stage rotation speed feature conducted by the operator on the control panel
- ✔ Flexing device that prevents the upper roller from flexing
- ✔ Hydraulic side supports that facilitate bending
- ✔ Hidden encoder that records the rotation movement against crashes
- ✔ Remote access to PLC and screen via the internet by means of intelligent technology
- ✔ Calculation page that computes the arc and depth required for bending control during the operation
- ✔ It has multi-purpose bending molds
- ✔ Mobile control panel with wheels separated from the machine
- ✔ It has a serpentine bending feature.

V3 HAR 120

OPTIONAL EQUIPMENT

- ✔ Special Molds for bending different pipe diameters





V3 HAR

HYDRAULIC ANGLE ROLLING MACHINES

STANDARD FEATURES






















- ✔ 7" inch touch screen display
- ✔ PLC controlled automatic bending (playback): The part bent by the operator is recorded by the intelligent technology PLC. Thus, the following bendings are bent by the machine.
- ✔ Ability to give warning on the 7"inch touch screen display when maintenance time comes
- ✔ Alarm messages on 7"inch touch screen displaying warnings on the machine
- ✔ Variable rotation speed feature conducted by the operator on the control panel
- ✔ Hydraulic side supports that facilitate bending
- ✔ 3 Shafts are driven separately by hydromotor and planetary reducer.
- ✔ Hidden encoder that records the rotation movement against crashes
- ✔ Remote access to PLC and screen via the internet by means of intelligent technology
- ✔ It has a calculation page that computes the arc and depth required for bending control during the bending process.
- ✔ It has multi-purpose bending molds
- ✔ Mobile control panel with wheels separated from the machine
- ✔ It has a serpentine bending feature.
- ✔ Manual Lubrication

V3 HAR 180/V3 HAR 240/ V3 HAR 300

OPTIONAL EQUIPMENT

- ✔ Special Molds for bending different pipe diameters
- ✔ Automatic Central Lubrication System
- ✔ Hydraulic Pulling Device to bend I-U-H beams

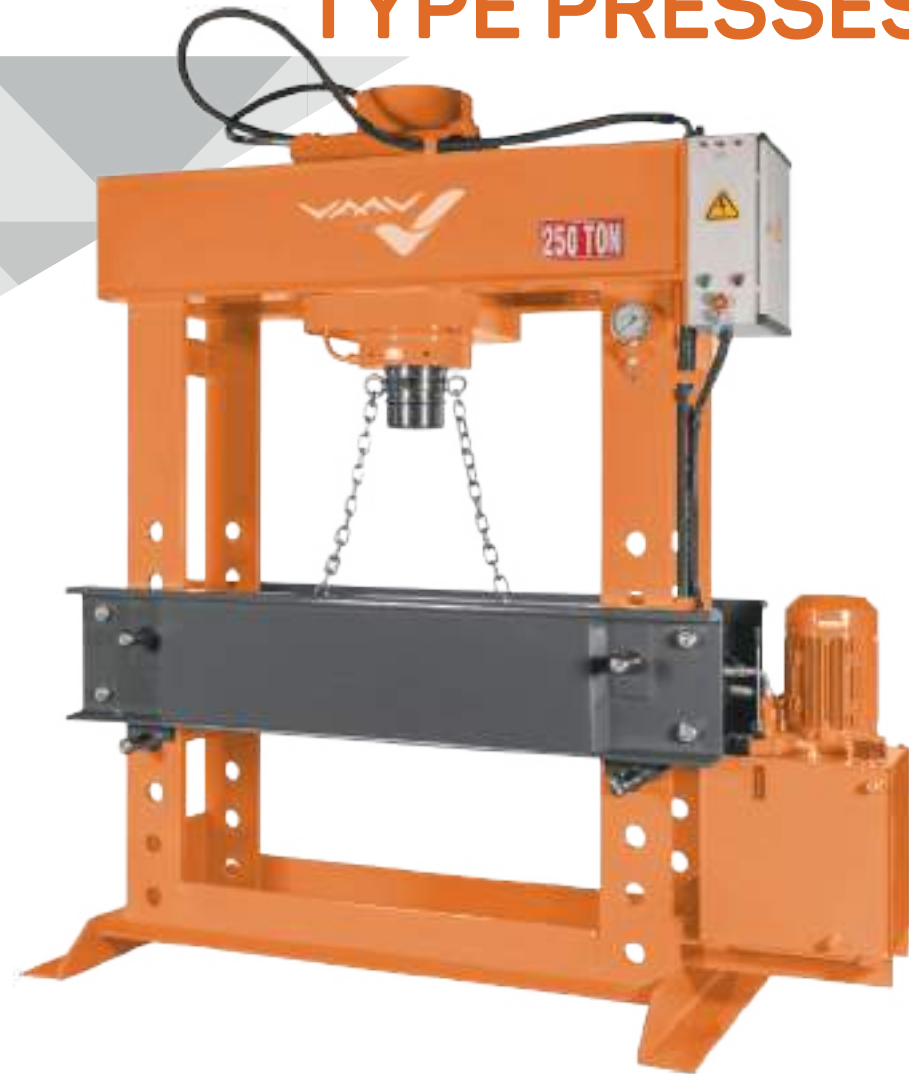


MODEL	V3 HAR 300			V3 HAR 240			V3 HAR 180			V3 HAR 150		
TECHNICAL SPECIFICATIONS	Material Size (mm)	Min. Diameter (Ømm)	Rolls	Material Size (mm)	Min. Diameter (Ømm)	Rolls	Material Size (mm)	Min. Diameter (Ømm)	Rolls	Material Size (mm)	Min. Diameter (Ømm)	Rolls
 SQUARE TUBE	KP 250x250x10	-	STANDARD+P	KP 150x200x10 KP 150x150x10	Ø14000 Ø14000	STANDARD+P STANDARD+P	KP 140X140X8	Ø20000	STANDARD+P	KP 120x120x8	Ø5000	STANDARD+P
 RECTANGLE TUBE	-	-	-	-	-	-	KP 200x100x6	-	STANDARD+P	KP 160x80x5	Ø5000	STANDARD+P
 PLATE HARDWAY	260x60	Ø2300	STANDARD	180x40	Ø1300	STANDARD	160x30	Ø2500	STANDARD	150x35	Ø2300	STANDARD
 PLATE EASYWAY	450x80	Ø1200	STANDARD	300x60	Ø900	STANDARD	240x60	Ø1000	STANDARD	275x50	Ø1400	STANDARD
 FULL SQUARE	150x150	Ø2400	STANDARD	120x120	Ø1000	STANDARD	95x95	Ø1350	STANDARD	90x90	Ø1900	STANDARD
 TUBE	Ø323,9x12	Ø8000	SPECIAL	Ø219	Ø2500	SPECIAL	Ø168x6	Ø3000	SPECIAL	Ø168x4	Ø5000	SPECIAL
 PIPE	-	-	-	-	-	-	Ø193x8	Ø10000	SPECIAL	Ø139x12	Ø3000	SPECIAL
 ROUND	Ø160	Ø1500	SPECIAL	Ø130	Ø1500	SPECIAL	Ø90	Ø1000	STANDARD	Ø85	Ø1300	STANDARD
 ANGLE LEG IN	L 200	Ø2300	STANDARD	L 160	Ø1600	STANDARD	L 140	Ø1300	STANDARD	L 150x18	Ø2400	STANDARD
 ANGLE LEG OUT	L 200	Ø2300	STANDARD	L 160	Ø1600	STANDARD	L 140	Ø1300	STANDARD	L 150x18	Ø2100	STANDARD
 T SECTION LEG IN	T 200	Ø3000	STANDARD	T 150	Ø1900	STANDARD	T 140	Ø1600	STANDARD	T 150x18	Ø3500	STANDARD
 T SECTION LEG OUT	T 200	Ø3000	STANDARD	T 150	Ø1300	STANDARD	T 140	Ø1100	STANDARD	T 150x18	Ø3500	STANDARD
 T SECTION	T 200	Ø1700	STANDARD	T 160	Ø1500	STANDARD	T 150x18	Ø1200	STANDARD	T 150x18	Ø3000	STANDARD
 UNP EASY WAY LEGS OUT	NPU 500	Ø2000	STANDARD	NPU 360	Ø1300	STANDARD	NPU 300	Ø2000	STANDARD	NPU 280	Ø1900	STANDARD
 UNP EASY WAY LEGS IN	NPU 500	Ø2000	STANDARD	NPU 360	Ø1000	STANDARD	NPU 300	Ø3000	STANDARD	NPU 280	Ø2900	STANDARD
 UNP HARD WAY	NPU 500	Ø10000	STANDARD+C	NPU 200	Ø10000	STANDARD+C	NPU 180	Ø10000	STANDARD+C	NPU 160	Ø7000	STANDARD+C
 INP BEAM HARD WAY	IPE 300	Ø7000	STANDARD+C	IPE 240	Ø10000	STANDARD+C	IPE 180	Ø10000	STANDARD+C	NPI 180	Ø10000	STANDARD+C
 INP BEAM EASY WAY	IPE 300	Ø1800	STANDARD	IPE 360	Ø1300	STANDARD	IPE 300	Ø2000	STANDARD	NPI 300	Ø2500	STANDARD
 HEA BEAM EASY WAY	HEB 300	Ø2000	STANDARD	HEA 240	Ø1400	STANDARD	HEA 220	Ø2000	STANDARD	HEB 200	Ø3000	STANDARD
 HEB BEAM HARD WAY	HEB 240+C	Ø10000	STANDARD+C	HEA 180	Ø4000	STANDARD+C	HEB 140	Ø10000	STANDARD+C	HEB 120	Ø3500	STANDARD+C
 HEA BEAM HARD WAY	HEA 240+C	Ø10000	STANDARD+C	HEB 160	Ø3000	STANDARD+C						
SECTION MOMENTUM		720 cm ³			330 cm ³			230 cm ³			200 cm ³	
POWER		66 kW			15 + 22 + 1,5 kW			22 kW			15 kW	
ROLLS		740 mm			545 mm			460 mm			440 mm	
BENDING SPEED		0-7 m/dk/min			0-8 m/dk/min			0-7,9 m/dk/min			0-10 m/dk/min	
SHAFT DIAMETER (Ømm)		300 mm			240 mm			180 mm			150 mm	
WEIGHT (kg)		27300 kg			18000 kg			12000 kg			8500 kg	
SIZE W/L/H (mm)		3600/4400/ 2300			2300/3400/ 2000			2020/2025/ 2300			1600/1900/ 1900	



09

WP HYDRAULIC WORKSHOP TYPE PRESSES



HD 20

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
20	600X200	300	900	2,2	6	7	12	850x1350x2200	500

HD 30

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
30	720X300	400	900	3	6	7,5	12,5	850x1350x2200	600

HD 60

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
60	820X300	400	900	3	6	6,1	10	850x1460x2400	700

HD 80

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
80	920X300	400	900	3	6	5,4	8,3	900x1560x2400	725

HD 100

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
100	1010X300	400	900	4	11	7,12	13,42	850x1600x2450	1000

HD 120

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
120	1200X400	400	900	4	11	5,8	9,5	1000x1900x2450	1250

HD 160

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
160	1100X350	400	900	5,5	15	6,2	9,8	1000x1640 x2550	1300

HD 180

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
180	1550X550	400	900	7,5	22	8	13,3	1200x2230 x2850	2100

HD 200

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
200	1300X450	400	900	7,5	22	6,4	11,04	1200x2100 x2850	2600

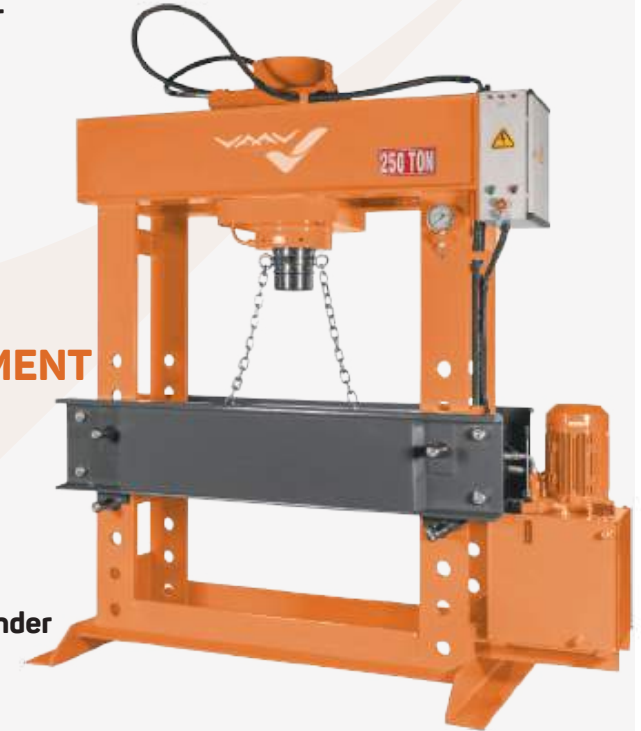
HD 250

STANDARD FEATURES

- ✔ Chrome Plated Cylinder
- ✔ Steel Welded Frame
- ✔ Oil Pressure Gauge
- ✔ Pressure Adjustment
- ✔ User Manual
- ✔ CE

OPTIONAL EQUIPMENT

- ✔ Pressure Regulator
- ✔ V Block
- ✔ Automatic Control
- ✔ Working Plate
- ✔ Hydraulic Movable Cylinder



Capacity	Working Size	Stroke	Day Light	Motor Power	Pump	Down Speed	Return Speed	Overall Dim. (LxWxHmm)	Weight
250	1300X450	400	900	15	34,5	8,58	13,03	1200x2450 x2650	3100



VPN PIPE NOTCHING MACHINES

10



STANDARD FEATURES

- ✔ Change to easily ability to open suitable dovetails according to the pipe and tube diameters with the help of processing drum.
- ✔ Ability to tighten and loosen the parts quickly as a result of moving clamp
- ✔ Ability of clamp to move right and left sideways
- ✔ With movable clamp, notching up to 50 degrees angle
- ✔ Ø19, Ø21, Ø25, Ø32, Ø38, Ø42, Ø48, Ø52, Ø60, Ø76 size dovetails.

OPTIONAL EQUIPMENT

- ✔ Pneumatic clamping system
- ✔ Special dovetails for different sizes



MODEL	Notching Capacity	Motor Power	Length	Width	Height	Weight
UNIT	mm	kW/V	mm	mm	mm	mm
VPN 76	20-76	2.2/380	1350	700	1200	130
VPN 90	17-90	2.2/380	1150	600	1000	170



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