



METALEX

SHEET METAL MACHINERY

Hydraulic Multi-functional sheet metal working machine





METALEX FK SERIES HAND BRAKES

- Heavily welded construction; maximum strength and minimum deflection.
- Long lasting Brakes built to perform accurate bending and forming.
- Removable apron on brakes are supported with large pins in free-floating bearings.
- Upper leaf adjustment screws features METALEX exclusive roller type thrust bearings preventing upper leaf to creep.
- Cast steel counters heavy weights; also features an apron stop rod.

FLOOR TYPE HAND BRAKE

Model	Bending length	Capacity mild steel	Capacity stainless steel	Shipping weight (G.W.)
FK-S14418	3657 mm (144")	1.2 mm (18 GA)	0.8 mm (22 GA)	1600 kgs (3520 lbs)
FK-S12016	3048 mm (120")	1.6 mm (16 GA)	1.0 mm (20 GA)	1350 kgs (2970 lbs)
FK-S12014	3048 mm (120")	2.0 mm (14 GA)	1.2 mm (18 GA)	1450 kgs (3190 lbs)
FK-S9618	2438 mm (96")	1.2 mm (18 GA)	0.8 mm (22 GA)	690 kgs (1513 lbs)
FK-S9616	2438 mm (96")	1.6 mm (16 GA)	1.2 mm (20 GA)	865 kgs (1883 lbs)
FK-S9612	2438 mm (96")	2.5 mm (12 GA)	1.6 mm (16 GA)	1250 kgs (2750 lbs)
FK-S7212	1828 mm (72")	2.5 mm (12 GA)	1.6 mm (16 GA)	1025 kgs (2255 lbs)
FK-S4812	1219 mm (48")	2.5 mm (12 GA)	1.6 mm (16 GA)	570 kgs (1254 lbs)



FK-S

BENCH TYPE HAND BRAKE

Model	Bending length	Capacity mild steel	Maximum deep of box	Maximum lift of beam	Weight
FK-H4822	1219 mm (48")	0.8 mm (22 GA)	100 mm (4")	22 mm (7/8")	120 kgs (264 lbs)
FK-H4816	1219 mm (48")	1.6 mm (16 GA)	100 mm (4")	32 mm (1 1/4")	215 kgs (473 lbs)



FK-H

FK-U SERIES UNIVERSAL BENCH BRAKE

- Portable brake made with cast iron, with plastic clamp handle grip, selected bronze bushings to reduce tear.
- Suitable for light duty mild steel forming and bending operations.



FK-U

UNIVERSAL BOX & PAN BRAKE

Model	Bending length	Capacity mild steel	Maximum deep of box	Finger width	Maximum lift of beam	Weight
FK-U3616	914 mm (36")	1.6 mm (16GA)	19 mm (3/4")	25/50/75/100/125/160	75 mm (3")	165 kgs (363 lbs)
				1, 2, 3, 4, 5, 6"		
FK-U2416	609 mm (24")	1.6 mm (16GA)	19 mm (3/4")	25/50/75/100/125/160	75 mm (3")	145 kgs (320 lbs)
				1, 2, 3, 4, 5, 6"		

METALEX FP-B BOX AND PAN BRAKES

- Wide range of metal bending and forming operation; suitable for box and pan or straight bending up to 16 GA with mild steel, removable fingers width are 2", 3", 4" (50mm, 75mm, 100mm)
- Welded construction.
- Truss rods allow easy adjustments, bronze bushing reduces wear and it also features a plastic clamp handle grip.



FP-B

FP-B SERIES BOX & PAN BRAKE (BENCH TYPE)

Model	Bending length	Capacity mild steel	Maximum Deep of box	Maximum lift of beam	Weight
FP-B2420	609 mm (24")	1.0 mm (20GA)	50 mm (2")	22 mm (7/8")	85 kgs (187 lbs)
FP-B4822	1219 mm (48")	0.8 mm (22GA)	100 mm (4")	22 mm (7/8")	145 kgs (319 lbs)
FP-B4816	1219 mm (48")	1.6 mm (16GA)	100 mm (4")	32 mm (1 1/4")	230 kgs (506 lbs)



FP-S

FP-S SERIES BOX & PAN BRAKE (FLOOR TYPE)

Model	Bending length	Capacity mild steel	Capacity stainless steel	Shipping weight (G.W.)
FP-S12016	3048 mm (120")	1.6 mm (16 GA)	1.0 mm (20 GA)	1650 kgs (3630 lbs)
FP-S12014	3048 mm (120")	2.0 mm (14 GA)	1.2 mm (18 GA)	1745 kgs (3839 lbs)
FP-S9616	2438 mm (96")	1.6 mm (16 GA)	1.0 mm (20 GA)	1000 kgs (2200 lbs)
FP-S9612	2438 mm (96")	2.5 mm (12 GA)	1.6 mm (16 GA)	1275 kgs (2305 lbs)
FP-S7212	1828 mm (72")	2.5 mm (12 GA)	1.6 mm (16 GA)	1150 kgs (2530 lbs)
FP-S4812	1219 mm (48")	2.5 mm (12 GA)	1.6 mm (16 GA)	865 kgs (1903 lbs)



METALEX FOOT SHEAR

- SIWIND foot shears are made with rugged construction.
- Shear frame, bed and the cutting head are all made of heavy duty cast iron.
- Bed of the shear is precision grounded to assure accurate working surface.
- Shear blade is made of high carbon, high chrome steel.
- Suited for the cutting jobs for mild steel, aluminum, copper, brass zinc, plastic and lead.



FS-F

FOLDING MACHINE BOX & PAN BRAKE

Model	Cutting length	Capacity mild steel	Back gauge range	Front gauge range	Weight
FS-F5216	1320 mm (52")	1.6 mm (16 GA)	700 mm (27.5")	960 mm (37.8")	540 kgs (1188 lbs)
FS-F3616	914 mm (36")	1.6 mm (16 GA)	700 mm (27.5")	960 mm (37.8")	400 kgs (880 lbs)



FF-G



FF-F

FOLDING MACHINE BOX & PAN BRAKE

Model	Usable bending length	Bending capacity plate thickness	Bending angle With less/more than 35/20 mm edge-	Minimum clamping depth	Weight
FF-G2414	650 mm (25")	2.0 mm (14 GA)	45° / 80°	19 mm (3/4")	136 kgs (300 lbs)
FF-G4018	1050 mm (41")	1.2 mm (18 GA)	45° / 80°	17.5 mm (11/16")	180 kgs (396 lbs)
FF-G5220	1350 mm (53")	1.0 mm (20 GA)	45° / 80°	14.5mm (9/16")	220 kgs (485 lbs)

FINGERS

FF-G2414	75 mm (3")-4pc	100 mm (4")-2pcs	125 mm (5")-1pcs
FF-G4018	75 mm (3")-5pc	100 mm (4")-4pcs	125 mm (5")-2pcs
FF-G5220	75 mm (3")-5pc	100 mm (4")-4pcs	125 mm (5")-2pcs, 152 mm (6")-2pcs

FOLDING MACHINE

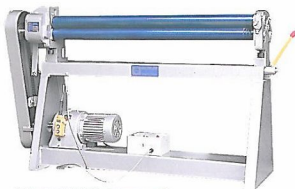
Model	Usable bending length	Bending capacity plate thickness	Bending angle with less/more than 35/20 mm edge-	Minimum clamping depth	Weight
FF-L2414	650 mm (25")	2.0 mm (14 GA)	30° / 45°	16 mm (5/8")	105 kgs (231 lbs)
FF-L4018	1050 mm (41")	1.2 mm (18 GA)	30° / 45°	13 mm (1/2")	145 kgs (319 lbs)
FF-L5220	1350 mm (53")	1.0 mm (20 GA)	30° / 45°	10 mm (3/8")	173 kgs (381 lbs)
FF-H2414	650 mm (25")	2.0 mm (14 GA)	45° / 80°	19 mm (5/4")	125 kgs (275 lbs)
FF-H4018	1050 mm (41")	1.2 mm (18 GA)	45° / 80°	17.5 mm (11/16")	165 kgs (363 lbs)
FF-H5220	1350 mm (53")	1.0 mm (20 GA)	45° / 80°	14.3 mm (9/16")	200 kgs (440 lbs)

METALEX FR-P5016 POWER ROLL

- Supplied with a heavy duty industrial gear reduction motor.
- Roll drive controlled by toggle action, shrouded foot pedal for instant forward and reverse action.
- Drive motor equipped with an electromagnetic brake to prevent roll creep and electrical overflow.
- Roll is supplied with a full length front and back wire cable safety mechanism that instantly stops the roll if tripped.

POWER ROLL

Model	Working length	Capacity mild steel	Rolls Dia.	Maximum dia. of rolling capacity	Shipping weight
FR-P5016	1270 mm (50")	1.6 mm (16 GA)	76 mm (3")	101 mm (4")	420 kgs (924 lbs)
FR-PB4018	1016 mm (40")	1.2 mm (18 GA)	55 mm (2-5/32")	73 mm (2-7/8")	330 kgs (726 lbs)
FR-PB4016	1016 mm (40")	1.6 mm (16 GA)	55 mm (2-5/32")	73 mm (2-7/8")	350 kgs (770 lbs)
FR-PB5016	1270 mm (50")	1.6 mm (16 GA)	75 mm (3")	101 mm (4")	420 kgs (924 lbs)
FR-PB5014	1270 mm (50")	2.0 mm (14 GA)	75 mm (3")	101 mm (4")	420 kgs (924 lbs)



FR-P/FR-PB

METALEX SLIP ROLLS

- Heavy duty fabricating tool for curve parts and tubes in 16 GA (1.6mm) with light sheet metal.
- Frame made with quality cast iron, the high carbon rolls are turned, grounded and polished to provide rigidity to wear and abrasion.
- Rolls and gears are mounted with harden bronze bushing for lasting life and precision operation.
- All 3 rolls are gear driven to assure even starting and feeding of heavy sheet metals. gears are fully enclosed for safety and protection.
- Gears are fully enclosed for safety and protection.
- Many features allow for operator convenience: large rolls adjusting screws, scale for speeding repeat set up, wide clearance top roll latch and end mounted handle for lifting upper roll.
- Two crank handles are provided for heavy capacity forming.
- Wire grooves and 3 full length starting grooves in the rear roll are also included.



FR-S



FR-B

SLIP ROLLS (BENCH TYPE)

Model	Forming width	Material capacity	Diameter of rolls	Minimum radius	Shipping weight
FR-S2420	609 mm (24")	1.0 mm (20 GA)	50 mm (2")	33.25 mm (1.3")	75 kgs (165 lbs)
FR-S3622	914 mm (36")	0.8 mm (22 GA)	50 mm (2")	33.25 mm (1.3")	130 kgs (286 lbs)
FR-S5016	1270 mm (50")	1.6 mm (16 GA)	75 mm (3")	50 mm (2")	250 kgs (550 lbs)

SLIP ROLLS (BENCH TYPE)

Model	Working length	Max. Thickness of material	Dia of upper roller	Shipping weight
FR-B4018	1016 mm (40")	1.2 mm (18 GA)	55 mm (2-5/32")	230 kgs (506 lbs)
FR-B4016	1016 mm (40")	1.6 mm (16 GA)	60 mm (2-3/8")	250 kgs (550 lbs)
FR-B5016	1270 mm (50")	1.6 mm (16 GA)	75 mm (3")	300 kgs (660 lbs)



METALEX FME22 ROTARY MACHINE

- Interchangeable rolls (6pcs) for various turning, burring, wiring, crimping, ogee and beadings.
- Mild steel, zinc plate, plastic and lead can be fed through the rolls in either direction by selecting proper arbor.
- The forming pressure of rolls is controlled with crank located on top of frame.



FME-22



FMA-22



FR-M220

ROTARY CLADDING MACHINE

Model	Capacity mild steel	Dis.between shaft center	Depth of throat	Net / Gross weight	Shipping size
FME-22	0.8mm (22 GA)	50 mm (2")	178 mm (7")	30/35 kgs (66/77 lbs)	455 × 435 × 180

COMBINATION ROTARY MACHINE

Model	Capacity mild steel	Throat depth	Distance between shaft center	Shipping weight
FMA-22	0.8 mm (22 GA)	THROATESS	50 mm (2")	25 kgs (55 lbs)

MULTIROLL

Model	Center distance between rollers	Thickness of material	Working depth	Shipping weight
FR-M220	50.8 mm (2")	1.0 mm (20 GA)	203 mm (8")	40 kgs (88 lbs)

STANDARD ROLL STYLE

Model	A	B	C	D	E	F
Roll description	Turning		Burring	Wiring	Crimping	Ogee bead

OPTIONAL ROLL STYLE

Slitting cutters	Elbow edging	Flange	Furnace collar edging
Flattening	Single Bead	Offset	

METALEX FR-M616 HAND NOTCHER

- Suited for shearing, notching and piercing works.
- Upper blades can be reversed for nose to heel cutting action.
- Ram stroke can be controlled by 2 sets of screws permitting limited throat piercing and knockout operations.
- Optional tab blades are available for reinforced box. Pan and classic corners, front gauge and large surface grounded work tables are standard features.



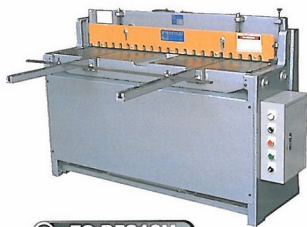
● FN-M616

HAND NOTCHER

Model	Capacity	Material capacity	Notch	Stock	Shipping weight
FN-M616	4 TON	1.6 mm (16 GA)	152×152×90° 6"×6"×90°	19 mm (3/4")	100 kgs (220 lbs)

METALEX HYDRAULIC POWERED SQUARING SHEAR

- Covered front and back sheet metal plates, and guarded foot switch assures safety.
- BURR-FREE shearing operations can be controlled.
- Galvanized steel lowers the maximum gage capacity.
- High tensile cast iron frame.
- Tensile cast iron table machined with high precision.
- Shearing blade made with high carbon chrome.
- Pressure compensated hydraulic pump is variable, solenoid actuated valve, 3HP / 5 HP.
- 10 gallon tank with sight gauge and thermometer.
- Features pressure gauge, check valve and industrial quality tie rod cylinder.



● FS-P5216H

HYDRAULIC POWER SHEAR

Model	Cutting length	Capacity mild steel	Capacity stainless steel	Back gauge range	Front gauge range	Weight
FS-P5216H	1320 mm (52")	1.6 mm (16 GA)	1.0 mm (20 GA)	700 mm (27.5")	960 mm (37.8")	640 kgs (1408 lbs)
FS-P5212H	1320 mm (52")	2.5 mm (12 GA)	1.6 mm (16 GA)	700 mm (27.5")	960 mm (37.8")	850 kgs (1870 lbs)
FS-P5210H	1320 mm (52")	3.2 mm (10 GA)	1.6 mm (16 GA)	700 mm (27.5")	960 mm (37.8")	850 kgs (1870 lbs)

PNEUMATIC POWER SHEAR

Model	Cutting length	Capacity mild steel	Capacity stainless steel	Back gauge range	Front gauge range	Weight
FS-P5216A	1320 mm (52")	1.6 mm (16 GA)	1.0 mm (20 GA)	700 mm (27.5")	960 mm (37.8")	570 kgs (1254 lbs)



METALEX LOCK-FORMING MACHINE

- Feature all steel forming head.
- Harden and grounded shafts.
- Case hardened steel forming rolls.
- Machine cut gears.
- Needle type roller bearings throughout.
- Stand made with ARC welded steel heavy top plate (blue finish).
- Alemite fitting on central lubrication panel.



FBB-20

STANDARD AUXILIARY ROLLS MOUNTED ON OUTBOARD SHAFTS

Capacity	Approx. 25 mm (1") of material 0.5-1.0 mm (20-26 GA)
Depth of pocket	8 mm (5/16") width of hammer-over edge adjustable up to 9.5 mm (3/8")
Speed	25 feet /76.2 meter per minute
Motor	AC Motor 1 HP-3Phase - Manual switch
Drive	V-belt
Overall height	812.8 mm (32")
Overall dimension	914 mm (36") L x 419 mm (16-1/2") W x 927 mm (36-1/2") H
Weight	150 kgs (330 lbs)

MODEL	Optional rolls	Capacity	Approx. Material used	Size
	Double seam rolls	0.5-1.0 mm 20 to 26 gauge	25.4 mm (1")	10 mm 3/8" Seam
	Drive cleat rolls	0.5-1.0 mm 20 to 26 gauge	54 mm (2-1/8")	28.5 mm 1-1/8" Width
	Right angle flange rolls	0.5-1.0 mm 20 to 26 gauge	up to 10 mm (3/8")	10 mm up to 3/8" High

ELECTRIC-DIGITAL PIPE BENDING MACHINE

- Cast iron body, with a 0.65 kw (for BM-42A) and a 1.1 kw (for BM-60A) / 200v (380v) / 50 or 60 HZ asynchronous motor at 3500 rpm.
- Cast iron body, with a 1.5/2.2 kw / 50 or 60 HZ asynchronous motor at 1740/3500 rpm (for BM-70A).
- Able to bend small delicate pipes, as well as large thick pipes with constant bending radius, and without any pipe deformation.
- Easy to use digital control panel with microprocessor, allowing users to set the bending angles. Capable of storing 50 programs with 9 bends per program.
- Equipped with low tension electronic schedule (24v), Electro brake and automatic return to stop.

Optional Accessories

Former with Ring



• For BM-42A

• For BM-60A

Roll



• For BM-42A

• For BM-60A

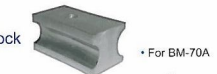
Special Guide for Two Rolls



• For BM-42A

• For BM-60A

Guide block



• For BM-70A



▲ Stand (Optional)



BM-42A



BM-60A



BM-70A

SPECIFICATIONS

TECHNICAL DATA	Unit	BM-42A		BM-60A		BM-70A	
		Without Mandrel		Without Mandrel		Without Mandrel	
		Diameter ≤	Thickness ≤	Diameter ≤	Thickness ≤	Diameter ≤	Thickness ≤
Hard and soft copper pipes, annealed brass pipes	mm	42	1.5	54	4	64	4
Steel pipe for electricity plants	mm	40	1.5	54	2	60	2
Stainless steel AISI 304/316 pipes	mm	30	2	42	3	60	3
Hydraulic steel tubes ST, 35.4	mm	42	3	54	4	60	4
Furniture tubes	mm	42	2	54	3	60	3
FE boiler pipes	mm	42	3	54	4	60	4
Aluminum pipes	mm	42	3	54	5	60	8
Gas pipes UNI 5745	inch	1 1/4"	Standard	1 1/2"	Standard	2"	Standard
Double coated pipe	mm	50	Standard	63	Standard	-	-
Standard centreline bending radius	mm	3 or 4 x Ø		3 or 4 x Ø		3 to 4 times Ø	
Motor power	kw/v	0.65 kw / 220v (380v)		1.1 kw / 220v (380v)		1.5/2.2 kw / 220v (415v)	
Dimensions (L x W x H)		600 x 180 x 450		600 x 220 x 470		810 x 515 x 1100	
Weight (nt)	kgs	94		107		210	

Note : Based on the necessity of improving the machine, the company reserve the rights to revise specifications and dimensions.



PN-2150



PN-3130

PNEUMATIC NOTCHER

Model	PN-2150
Working Pressure	115 P.S.I.
Blade Length	154 x 154 mm (6" x 6")
Table Size	595 x 455 mm
Strokes per minute	40
Working Force	2.2 Tons
Cutting Capacity: Mild Steel R=42 kg/mm ²	2 mm / 14 GA
Noise	65 dB (at 1 Meter)
Emergency Stop	YES
Overall Dimension	600 x 660 x 1260 mm
Packing Size	680 x 740 x 140 mm
N.W. / G.W.	165 kgs / 195 kgs

Model	PN-3130
Working Pressure	115 P.S.I.
Blade Length	130 x 130 mm
Table Size	595 x 455 mm
Strokes per minute	50
Working Force	2.2 Tons
Cutting Capacity: Mild Steel R=42 kg/mm ² R=60 kg/mm ²	3 mm / 12 GA 2 mm / 14 GA
Noise	63 dB
Emergency Stop	YES
Overall Dimension	600 x 712 x 1270 mm
Packing Size	350 x 710 x 1440 mm
N.W. / G.W.:	160 kgs / 188 kgs



HHB-22

HORIZONTAL HYDRAULIC BENDIN PRESS

TECHNICAL DATA		HHB-22
Maximum power	ton	22
Bending capacity (single-v Die)	mm	120 x 12t
Carriage stroke	mm	200
Hydraulic pressure	kg/cm ²	200
Feeding speed	mm/sec	29
Working speed	mm/sec	8
Dimensions of tool-locking pins	mm	ø55 - H110
Tank capacity	lt.	35
Electric motor Volts 220-60HZ.	kw	1.5
Net weight	kg	550
Noise level with machine ON	db	63
Noise level during operation	db	65.5



SK-30



SK-50

SECTION & PIPE BENDING MACHINE

Model	SK-30	SK-50
Motor	1 HP (0.75 kw)	3 HP (2.25 kw)
Shaft speed	6/12 RPM (2speed)	20 RPM(1speed)
Shaft diameters	∅ 30 mm	∅ 50 mm
Top roll diameters	∅ 148 mm	∅ 155 mm
Lower rolls diameters	∅ 118 mm	∅ 155 mm
Operating position	Vertical or horizontal	Vertical or horizontal
Foot pedal stand	Yes	Yes
Length	930 mm	1130 mm
Width	680 mm	790 mm
Height	1480 mm	1380 mm
Shipping weight	275 kgs	388 kgs

Note : Based on the necessity of improving the machine, the company reserve the rights to revise specifications and dimensions.

	SK-30					SK-50				
	NR	Profile	Max. Size	Min.∅	Notes	NR	Profile	Max. Size	Min.∅	Notes
SK-30	1		50×10 / 20×6	600 / 300	Standard rolls	8		∅ 60×1.5 / ∅ 25×1.5	1000 / 600	Optional rolls
	2		80×15 / 30×6	700 / 400	Standard rolls	9		11/2"×2.9 / 1/4"×1.8	600 / 300	Optional rolls
	3		30×30 / 10×10	900 / 200	Standard rolls	10		50×30×3 / 40×20×2	1200 / 800	Optional rolls
	4		50×6 / 20×3	600 / 400	Standard rolls	11		40×3 / 30×2	1200 / 800	Optional rolls
	5		50×6 / 20×3	600 / 400	Standard rolls	12		40×40×5 / 30×30×4	600 / 300	Optional rolls
	6		50×6 / 20×3	600 / 400	Standard rolls	13		35×35×5 / 30×30×4	600 / 400	Optional rolls
	7		∅ 30 / ∅ 10	900 / 200	Optional rolls					
SK-50	1		60×10 / 40×10	800 / 500	Standard rolls	9		∅ 70×2 / ∅ 30×2	1200 / 500	Optional rolls
	2		100×15 / 60×10	750 / 600	Standard rolls	10		2"×2.9 / 1"×2.3	1200 / 350	Optional rolls
	3		35×35 / 20×20	1200 / 400	Standard rolls	11		70×30×2 / 50×40×3	1500 / 1500	Optional rolls
	4		60×7 / 50×6	900 / 650	Standard rolls	12		50×3 / 40×3	2000 / 800	Optional rolls
	5		60×7 / 50×6	900 / 650	Standard rolls	13		60×60×6 / 50×50×5	1200 / 800	Optional rolls
	6		UNP 80 / UNP 60	1000 / 550	Standard rolls	14		50×50×6 / 30×30×3	1200 / 750	Optional rolls
	7		UNP 80 / UNP 30	1200 / 800	Standard rolls	15		60×7 / 50×6	900 / 650	Optional rolls
	8		∅35 / ∅30	800 / 500	Optional rolls					


HN-3154 / HN-3205

HN-4200

HN-6200
HYDRAULIC NOTCHER

Model	HN-3154	HN-3205
Motor	2 HP	2 HP
Blade Length	154 x 154 mm (6" x 6")	204 x 204 mm (8" x 8")
Table Size	650 x 600 mm	650 x 600 mm
Strokes per minute	24	18
Working Force	15 Tons	15 Tons
Noise	65dB (at 1 Meter)	70dB (at 1 Meter)
Cutting Capacity: Mild Steel R=42 kg/mm ²	3 mm / 12 GA	3 mm / 12 GA
Overall Dimension	850 x 650 x 1010 mm	850 x 650 x 1010 mm
Packing Size	930 x 730 x 1150 mm	930 x 730 x 1150 mm
N.W.: / G.W.:	333 kgs / 363 kgs	335 kgs / 365 kgs

Note : Based on the necessity of improving the machine, the company reserve the rights to revise specifications and dimensions.

HYDRAULIC NOTCHER

Model	HN-4200	HN-6200
Motor	3 HP	4 HP
Blade Length	200 x 200 mm	220 x 220 mm
Table Size	695 x 595 mm	650 x 650 mm
Strokes per minute	50	15
Working Force	22 Tons	24 Tons
Hydraulic oil	35	-
Cutting Capacity: Mild Steel R=42 kg/mm ² Mild Steel R=60 kg/mm ²	4 mm / 9 GA 3 mm / 12 GA	6 mm / 4 GA 5 mm / 7 GA
Noise	70 dB	70 dB (at 1 Meter)
Overall Dimension	790 x 520 x 1160 mm	800 x 650 x 1190 mm
Packing Size	960 x 780 x 1160 mm	890 x 745 x 1200 mm
N.W.: / G.W.:	375 kgs / 410 kgs	495 kgs / 525 kgs

Note : Based on the necessity of improving the machine, the company reserve the rights to revise specifications and dimensions.



HPM

SPECIFICATIONS

Model	HPM-60	HPM-80	HPM-100	HPM-125	HPM-140
Rated capacity	60	80	100	125	140
Maximum capacity	29 × 15 mm	28 × 20 mm	27 × 25 mm	35 × 25 mm	39 × 25 mm
Diameter×Thickness	57 × 8 mm	57 × 10 mm	57 × 12 mm	57 × 16 mm	57 × 17 mm
Stroke length	55 mm	55 mm	80 mm	80 mm	80 mm
Throat depth	625 mm	625 mm	625 mm	625 mm	625 mm
Large hole (standard)	57 mm	57 mm	57 mm	57 mm	57 mm
Large hole (optional)	160 mm	160 mm	160 mm	225 mm	225 mm
Maximum section	305 mm	305 mm	305 mm	305 mm	305 mm
Working height	1075 mm	1075 mm	1050 mm	1056 mm	1056 mm

OPTIONAL EQUIPMENTS

Model	HPM-60	HPM-80	HPM-100	HPM-125	HPM-140
Corner notch Max. capacity	250 × 250 × 6 mm	250 × 250 × 6 mm	250 × 250 × 6 mm	250 × 250 × 6 mm	250 × 250 × 6 mm
Tube notch max. outside diameter	83 mm	83 mm	108 mm	108 mm	108 mm
Max. sheet bending	500 × 3 mm	500 × 3 mm	500 × 3 mm	700 × 3 mm	700 × 3 mm
Max. bar bending	250 × 12 mm	250 × 15 mm	250 × 20 mm	250 × 22 mm	250 × 22 mm

TECHNICAL DATA

Model	HPM-60	HPM-80	HPM-100	HPM-125	HPM-140
Motor power	7.5 HP (5.5 kw)	10 HP (7.5 kw)	10 HP (7.5 kw)	15 HP (11 kw)	15 HP (11 kw)
Net weight	1400 kg	1700 kg	2230 kg	2750 kg	2800 kg
Gross weight	1550 kg	1880 kg	2430 kg	3000 kg	3050 kg
Machine dim. (L×W×H) cm	155 × 71 × 170 cm	167 × 71 × 181 cm	192 × 79 × 190 cm	201 × 82 × 203 cm	200 × 80 × 203 cm
Packed dim. (L×W×H) cm	180 × 96 × 200 cm	193 × 96 × 211 cm	206 × 96 × 211 cm	216 × 97 × 221 cm	215 × 95 × 221 cm



HYDRAULIC IRONWORKERS



HIW-40



HIW-45 / HIW-60



HIW-60DC/HIW-80



HIW-100/HIW-125/HIW-140

STANDARD ACCESSORIES

HIW-40	HIW-45 / HIW-60	HIW-60DC / HIW-80	HIW-100 / HIW-125 / HIW-140
Punch Station			
<ul style="list-style-type: none"> • Universal die bolster • Punch & die 18 mm • Pressure plate • Punch adaptor • Retaining ring 	<ul style="list-style-type: none"> • Universal die bolster • Punch & die 22 mm • Pressure plate • Punch adaptor • Retaining ring 	<ul style="list-style-type: none"> • Universal die bolster • Punch & die 22 mm • Pressure plate • Punch adaptor • Retaining ring 	<ul style="list-style-type: none"> • Universal die bolster • Punch & die 24 mm • Pressure plate • Punch adaptor • Retaining ring
Angle Cutting Station			
<ul style="list-style-type: none"> • 1 Arm blade • 2 Body blade 	<ul style="list-style-type: none"> • 2 Arm blade • 2 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 2 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 2 Body blade
Section Cutting Station			
<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade
Shearing Station			
<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade 	<ul style="list-style-type: none"> • 1 Arm blade • 1 Body blade
Notching Station			
	<ul style="list-style-type: none"> • 1 Notch punch • 3 Notch dies • Notch bolster 	<ul style="list-style-type: none"> • 1 Notch punch • 3 Notch dies • Notch bolster 	<ul style="list-style-type: none"> • 1 Notch punch • 3 Notch dies • Notch bolster

SPECIFICATIONS

	HIW-40	HIW-45	HIW-60	HIW-60DC	HIW-80	HIW-100	HIW-125	HIW-140
Punching								
Rated capacity	40 T	45 T	60 T	60 T	80 T	100 T	125 T	140 T
Maximum capacity	20 × 15 mm	22 × 15 mm	28 × 15 mm	29 × 15 mm	28 × 20 mm	27 × 25 mm	35 × 25 mm	39 × 25 mm
Diameter×thickness	38 × 8 mm	38 × 8 mm	38 × 11 mm	57 × 8 mm	57 × 10 mm	57 × 12 mm	57 × 16 mm	57 × 17 mm
Stroke length	32 mm	50 mm	55 mm	60 mm	55 mm	80 mm	80 mm	80 mm
Speed - 20 mm travel	20 cycles/min	20 cycles/min	20 cycles/min	20 cycles/min	20 cycles/min	20 cycles/min	20 cycles/min	20 cycles/min
Throat size (standard)	175 mm	175 mm	220 mm	305 mm	305 mm	355 mm	355 mm	355 mm
Deep throat model(optional)	–	210 mm	250 mm	625 mm	625 mm	625 mm	625 mm	625 mm
Largest hole (optional)	57 mm	110 mm	110 mm	160 mm	160 mm	160 mm	225 mm	225 mm
Max. Section flange punch	–	102 mm	102 mm	305 mm	305 mm	305 mm	305 mm	305 mm
Working height	1075 mm	940 mm	940 mm	1030 mm	1087 mm	1039 mm	1056 mm	1060 mm
Shearing								
Flat Bar - max. thickness	200 × 13 mm	200 × 15 mm	200 × 20 mm	230 × 20 mm	300 × 20 mm	380 × 20 mm	380 × 25 mm	400 × 25 mm
Flat bar - max. width	350 × 6 mm	300 × 12 mm	300 × 15 mm	375 × 10 mm	450 × 15 mm	480 × 15 mm	600 × 15 mm	600 × 20 mm
Angle Iron trim	80 × 10 mm	80 × 10 mm	80 × 10 mm	100 × 15 mm	100 × 15 mm	120 × 15 mm	120 × 15 mm	120 × 15 mm
Working height	1075 mm	940 mm	940 mm	890 mm	890 mm	890 mm	900 mm	900 mm
Angle Cutting								
90° Cut	80 × 8 mm	100 × 10 mm	127 × 12 mm	130 × 13 mm	150 × 13 mm	150 × 15 mm	150 × 18 mm	150 × 18 mm
45° Mitre cut	50 × 6 mm	70 × 6 mm	80 × 8 mm	70 × 10 mm	70 × 10 mm	80 × 10 mm	80 × 10 mm	80 × 10 mm
Working height	1210 mm	1140 mm	1140 mm	1130 mm	1155 mm	1155 mm	1160 mm	1160 mm
Section Cutting								
Round / Square bar	30/25 mm	30/30 mm	40/35 mm	45/45 mm	45/45 mm	50/50 mm	55/55 mm	55/55 mm
Channel / Beam (optional)	76 × 38 mm	80 × 45 mm	102 × 51 mm	130 × 65 mm	130 × 65 mm	160 × 90 mm	200 × 100 mm	200 × 100 mm
Tee (optional)	38 × 6 mm	40 × 7 mm	76 × 10 mm	90 × 12 mm	90 × 12 mm	100 × 12 mm	120 × 12 mm	120 × 12 mm
Working height	1140 mm	1135 mm	1140 mm	1175 mm	1175 mm	1170 mm	1170 mm	1170 mm
Notching								
Material thickness	–	8 mm	10 mm	10 mm	12 mm	13 mm	13 mm	13 mm
Width	–	35 mm	42 mm	45 mm	40 mm	52 mm	60 mm	60 mm
Depth vee (optional) / Rectangular	–	60/75 mm	60/100 mm	60/90 mm	60/90 mm	70/100 mm	80/100 mm	80/100 mm
Angle flange	–	80 × 8 mm	100 × 10 mm	100 × 10 mm	100 × 10 mm	100 × 13 mm	100 × 13 mm	100 × 13 mm
Working height	–	940 mm	940 mm	890 mm	890 mm	890 mm	900 mm	900 mm
Technical								
Motor	5 Hp	5 Hp	5.5 Hp	7.5 Hp	10 Hp	15 Hp	15 Hp	15 Hp
Net weight / Gross weight	570/640 kg	1100/1200 kg	1300/1450 kg	1650/1800 kg	2000/2200 kg	3100/3300 kg	3400/3600 kg	3570/3770 kg
Machine dimension	106 × 55 × 148 cm	145 × 59 × 162 cm	152 × 59 × 170 cm	164 × 71 × 177 cm	176 × 71 × 183 cm	190 × 79 × 191 cm	200 × 80 × 203 cm	205 × 80 × 203 cm
Packing dimension	122 × 64 × 159 cm	153 × 77 × 182 cm	171 × 77 × 186 cm	191 × 90 × 201 cm	198 × 90 × 207 cm	217 × 101 × 212 cm	222 × 102 × 221 cm	235 × 102 × 221 cm

OPTIONAL EQUIPMENTS

	HIW-40	HIW-45	HIW-60	HIW-60DC	HIW-80	HIW-100	HIW-125	HIW-140
Corner notch								
Max. capacity	–	150 × 3 mm	150 × 4 mm	250 × 6mm	250 × 6 mm	250 × 6 mm	250 × 6 mm	250 × 6 mm
Tube notch								
Max. Outside diameter	40 mm	60 mm	60 mm	83 mm	83 mm	108 mm	108 mm	108 mm
Bending								
Bar bend max. capacity	80 × 10 mm	100 × 12 mm	150 × 12 mm	250 × 12 mm	250 × 15 mm	250 × 20 mm	250 × 22 mm	250 × 22 mm
Sheet bend max. capacity	–	–	–	500 × 3 mm	500 × 3 mm	500 × 3 mm	700 × 3 mm	700 × 3 mm
Punching at notch station								
Throat depth	–	85 mm	110 mm	125 mm	125 mm	125 mm	125 mm	125 mm
Max. capacity	–	18 × 12 mm	20 × 12 mm	38 × 7 mm	38 × 8 mm	38 × 10 mm	38 × 12 mm	38 × 12 mm



HYDRAULIC ROLL WITH HYDRAULIC SINGLE PINCH

Model	Mild-Steel Capacity	Roll		Motor (HP)	Packing Size (mm)	Weight (kgs)
		Diameter(mm)	Speed(M/min)			
FHR-0460	1300 x 6.0 mm (4' x 1/4")	140	4	5	2300 x 900 x 1360	1800
FHR-0560	1550 x 6.0 mm (5' x 1/4")	150	4	5	2600 x 900 x 1360	2100
FHR-0645	2050 x 4.5 mm (6' x 3/16")	160	4	5	3200 x 900 x 1360	2800
FHR-0660	2050 x 6.5 mm (6' x 1/4")	180	4	7.5	3200 x 900 x 1360	3660
FHR-0825	2550 x 2.5 mm (8' x 12 GA)	140	4	5	3700 x 900 x 1360	2200
FHR-0832	2550 x 3.5 mm (8' x 10 GA)	150	4	5	3700 x 900 x 1360	2650
FHR-1025	3050 x 2.5 mm (10' x 12 GA)	160	4	5	4200 x 970 x 1360	3900
FHR-1035	3050 x 3.5 mm (10' x 12 GA)	170	4	7.5	4200 x 970 x 1360	4200

Specifications subject to change without prior notice

Standard Accessories

- Hydraulic-driven bottom rolls
- Manual clamping simultaneously
- Hydraulic single pinch
- Hydraulic overload system
- Electrical cabinet with emergent stop
- Foot switch

Optional Accessories

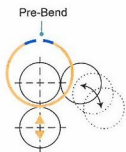
- Wire groove ϕ 10, ϕ 13 & ϕ 16mm
- Cone bending attachment
- Special profile roll (please specify)
- Full straight rolls
- Variable roll speed
- CE conformity



Emergent Stop



HYDRAULIC BENDING ROLL



MOTORIZED ROLL WITH MANUAL PINCH

Model	Mild-Steel Capacity	Manual Clamping Roll	Roll		Motor (HP)	Packing Size (mm)	Weight (kgs)
			Diameter(mm)	Speed(M/min)			
FMR-0425	1300 x 2.5 mm (4' x 12 GA)	Individual bolt	90	6	2	1980 x 690 x 1285	750
FMR-0432	1300 x 3.2 mm (4' x 10 GA)	Individual bolt	110	6	2	1980 x 690 x 1285	820
FMR-0445	1300 x 4.5 mm (4' x 3/16")	Individual bolt	120	6	3	1980 x 690 x 1300	900
FMR-0525	1550 x 2.5 mm (5' x 12 GA)	Individual bolt	100	6	2	2450 x 740 x 1300	920
FMR-0532	1550 x 3.2 mm (5' x 10 GA)	Individual bolt	120	6	3	2450 x 740 x 1300	1000
FMR-0540	1550 x 4.0 mm (5' x 5/32")	Individual bolt	130	6	3	2450 x 740 x 1300	1050
FMR-0616	2050 x 1.6 mm (6' x 16 GA)	Simultaneous	110	6	3	2700 x 760 x 1300	1200
FMR-0632	2050 x 3.2 mm (6' x 10 GA)	Simultaneous	130	6	3	2700 x 780 x 1300	1450

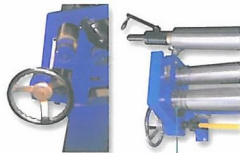
Specifications subject to change without prior notice

Standard Accessories

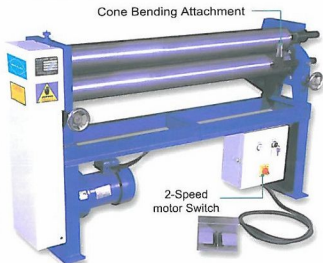
- Motorized-driven roll
- Manual clamping roll
- Manual pinch roll
- Wire groove ϕ 10, ϕ 13 & ϕ 16mm
- Electrical cabinet
- Foot switch
- Grease gun

Optional Accessories

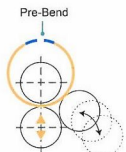
- Manual clamping simultaneously
- Roll 2-speed motor
- Roll motor with brake
- Special-profile roll
- Full straight roll
- Cone bending attachment
- CE conformity



Wire Groove



MOTORIZED BENDING ROLL



FREJOYTH INTERNATIONAL LTD.

8F #501, SEC.2, WU CHUAN W. RD., TAICHUNG 408, TAIWAN, R.O.C.

TEL: 886-4-23816977

FAX: 886-4-23813584, 23813769

E-mail: mail@frejoth.com.tw

web-site: http://www.frejoth.com.tw