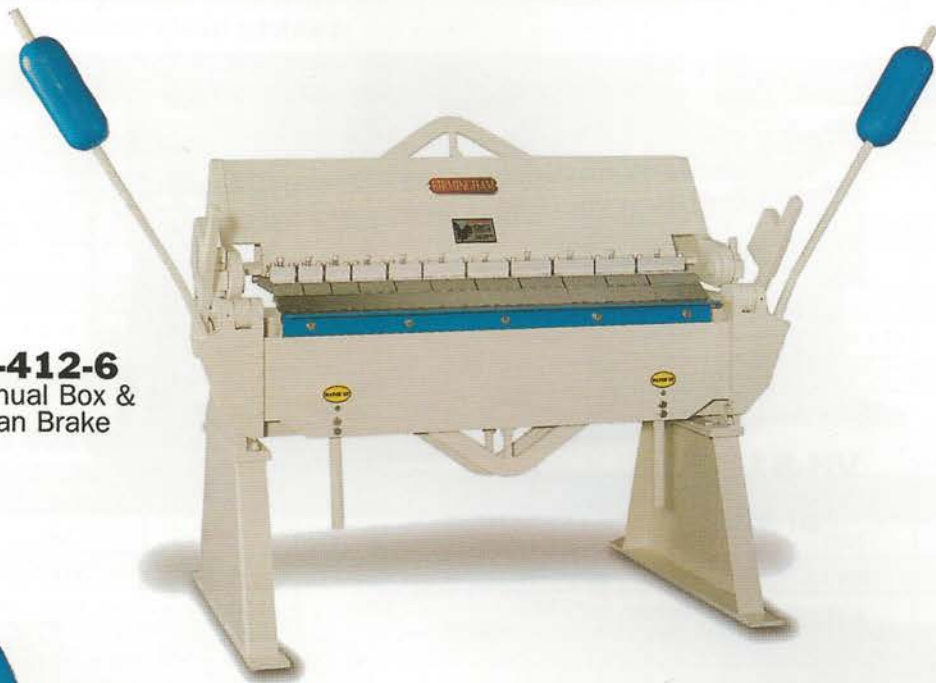
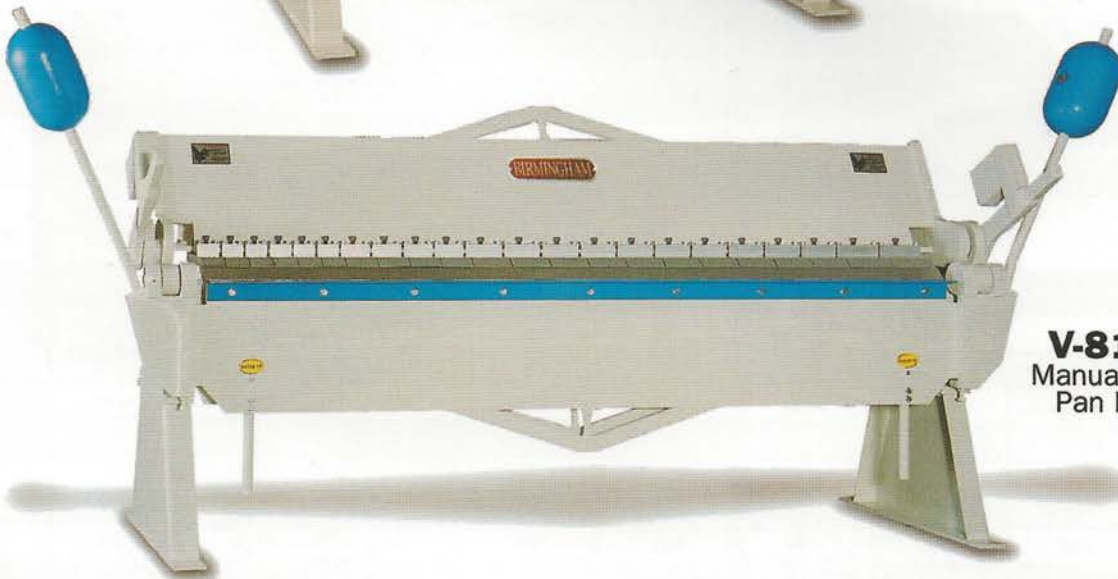


**V-412-6**  
Manual Box &  
Pan Brake



**V-812-6**  
Manual Box &  
Pan Brake



**V-1016**  
Manual Straight  
Hand Brake

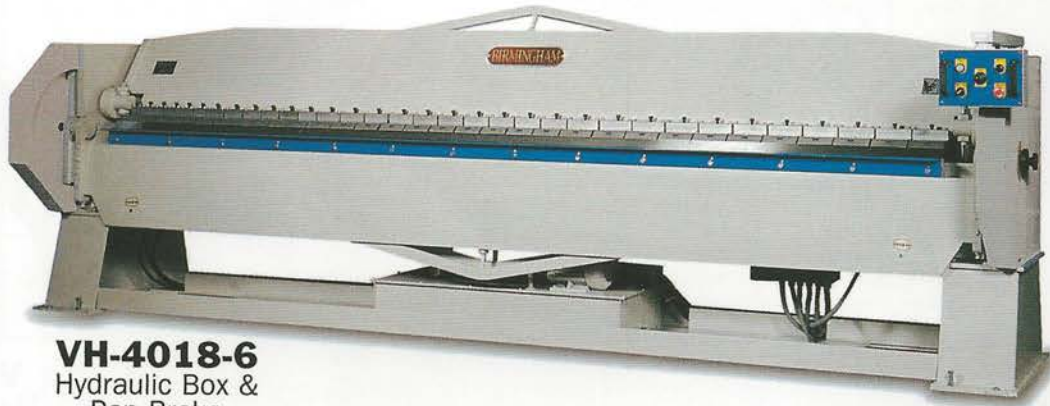


# BIRMINGHAM

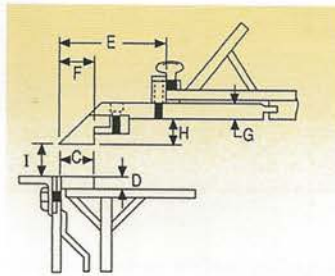
## HYDRAULIC TYPE



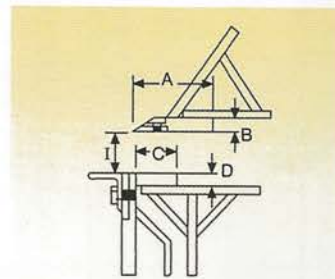
**VH-812-6**  
Hydraulic Box & Pan Brake



**VH-4018-6**  
Hydraulic Box & Pan Brake



Manual Box & Pan Brake  
Hydraulic Box & Pan Brake



Manual Straight Hand Brake

### DIMENSIONS:

MODEL	V-412 V-612 V-816	V-812 V-1014	V-1016	V-1218 V-4020	V-412-6 V-612-6	V-616-6 V-816-6	V-812-6 V-1014-6	V-1016-6 V-1218-6 V-4020-6	VH-412-6 VH-612-6 VH-812-6	VH-410-6 VH-810-6 VH-1010-6	VH-1014-6 VH-1216-6 VH-4018-6
A	3 <sup>1</sup> / <sub>8</sub> "	4"	4"	4"							
B	5 <sup>1</sup> / <sub>8</sub> "	1"	3 <sup>1</sup> / <sub>4</sub> "	1"							
C	2"	2"	2"	2"	2"	2"	2"	2"		2"	
D	7 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>8</sub> "	3 <sup>1</sup> / <sub>4</sub> "	7 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>8</sub> "	3 <sup>1</sup> / <sub>4</sub> "	7 <sup>1</sup> / <sub>8</sub> "	3 <sup>1</sup> / <sub>4</sub> "		7 <sup>1</sup> / <sub>8</sub> "	
E					6"	6"	6"	6"		6"	
F					2"	2"	2"	2"		2"	
G					1 <sup>7</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>7</sup> / <sub>16</sub> "	1"		1 <sup>7</sup> / <sub>16</sub> "	
H					1 <sup>5</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>16</sub> "		1 <sup>5</sup> / <sub>16</sub> "	
I	1 <sup>9</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	1 <sup>9</sup> / <sub>16</sub> "	1 <sup>9</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "		4"	

# SPECIFICATIONS: FOR BIRMINGHAM BRAKES

## FLOOR TYPE MANUAL STRAIGHT HAND BRAKES:

MODEL		V-412	V-612	V-812	V-816	V-1014	V-1016	V-1218	V-4020
BENDING CAPACITY	BENDING LENGTH	48 1/2"	73"	97"	97"	121"	121"	145"	157"
	MILD STEEL	12GA	12GA	12GA	16GA	14GA	16GA	18GA	20GA
	STAINLESS STEEL	16GA	16GA	16GA	20GA	18GA	20GA	22GA	24GA
BENDING ANGLE		0-135°	0-135°	0-135°	0-135°	0-135°	0-135°	0-135°	0-135°
BEAM ADJUSTMENT		1"	1"	1"	1"	1"	1"	1"	1"
MIN. REVERSE BEND		5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"
PACKING SIZE, INCH		71 x 34 x 40	97 x 34 x 40	123 x 34 x 40	123 x 34 x 40	146 x 34 x 40	146 x 34 x 40	168 x 34 x 40	185 x 36 x 47
NET WEIGHT, LBS		1,500	2,000	3,000	2,300	3,800	3,500	4,500	5,300

## FLOOR TYPE MANUAL BOX AND PAN BRAKES:

MODEL		V-412-6	V-612-6	V-812-6	V-816-6	V-1014-6	V-1016-6	V-1218-6	V-4020-6
BENDING CAPACITY	BENDING LENGTH	48"	72"	96"	96"	120"	120"	145"	157"
	MILD STEEL	12GA	12GA	12GA	16GA	14GA	16GA	18GA	20GA
	STAINLESS STEEL	16GA	16GA	16GA	20GA	18GA	20GA	22GA	24GA
BENDING ANGLE		0-135°	0-135°	0-135°	0-135°	0-135°	0-135°	0-135°	0-135°
BEAM ADJUSTMENT		1"	1"	1"	1"	1"	1"	1"	1"
MIN. REVERSE BEND		5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
PACKING SIZE, INCH		71 x 34 x 44	97 x 34 x 44	123 x 34 x 46	123 x 34 x 44	146 x 34 x 44	146 x 34 x 44	168 x 34 x 47	185 x 36 x 47
NET WEIGHT, LBS		2,300	2,800	3,600	3,000	4,000	3,800	6,000	6,500

## HYDRAULIC BOX AND PAN BRAKES:

MODEL		VH-412-6	VH-410-6	VH-612-6	VH-812-6	VH-810-6	VH-1014-6	VH-1010-6	VH-1216-6	VH-4018-6
BENDING CAPACITY	BENDING LENGTH	48"	48"	72"	96"	100"	120"	120"	145"	157"
	MILD STEEL	12GA	10GA	12GA	12GA	10GA	14GA	10GA	16GA	18GA
	STAINLESS STEEL	16GA	12GA	16GA	16GA	12GA	18GA	12GA	20GA	22GA
BENDING ANGLE		0-135°	0-135°	0-135°	0-135°	0-135°	0-135°	0-135°	0-135°	0-135°
BEAM ADJUSTMENT		1"	1"	1"	1"	1"	1"	1"	1"	1"
MIN. REVERSE BEND		1/2"	13/16"	1/2"	1/2"	13/16"	1/2"	13/16"	1/2"	1/2"
MOTOR		2HP	2HP	2HP	3HP	5HP	3HP	5HP	3HP	3HP
PACKING SIZE, INCH		83 x 46 x 66	83 x 46 x 69	106 x 46 x 66	132 x 46 x 66	132 x 46 x 71	154 x 46 x 66	154 x 46 x 71	185 x 47 x 67	191 x 47 x 67
NET WEIGHT, LBS		2,600	4,200	4,600	5,600	6,400	6,400	8,500	7,500	8,000

## STANDARD FINGER ASSORTMENT, WIDTH AND NUMBER OF FINGERS

SIZE	410-6/412-6	612-6/616-6	810-6/812-6/816-6	1010-6/1014-6/1016-6	1216-6/1218-6	4018-6/4020-6
3"	3	6	6	6	6	6
4"	2	3	4	4	6	6
5"	5	6	10	10	10	10
6"	1	2	2	6	9	11
TOTAL	11	17	22	26	26	33

• ALL SPECIFICATIONS AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

### STANDARD EQUIPMENT:

• 24" manual back gauge with slide and lock for all hydraulic box and pan brakes.

### OPTIONAL EQUIPMENT:

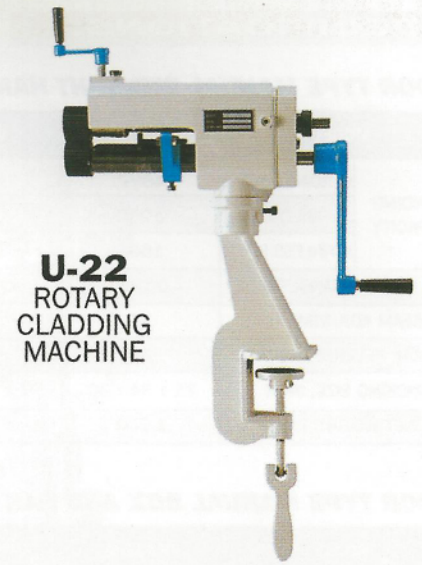
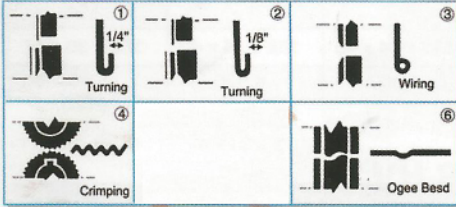
- 32" 2axes (Angles & Length) NC Controller
- 24" manual back gauge with slide and lock for all manual brakes.
- 32" power brake gauge with LED display unit and platform
- Radius fingers
- Side guard
- Safety protective sensors only for VH-410-6, VH-610-6, VH-810-6, VH-1010-6
- Auto angle setting control

# BIRMINGHAM

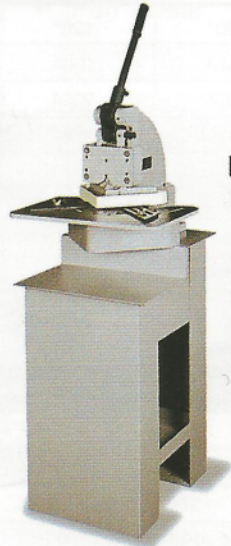
## SPECIFICATIONS:

MODEL	CAPACITY MILD STEEL	DIS. BETWEEN SHAFT CENTER	DEPTH OF THROAT	NET/GROSS WEIGHT	PACKING SIZE
U-22	22GA	22"	7"	71lbs	18" x 16" x 8"

## STANDARD EQUIPMENT:



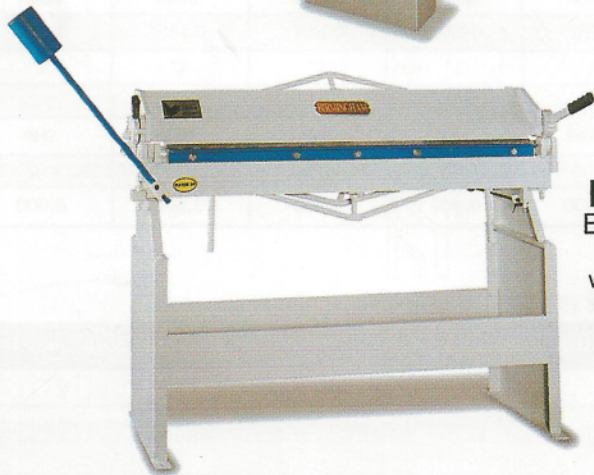
**U-22**  
ROTARY  
CLADDING  
MACHINE



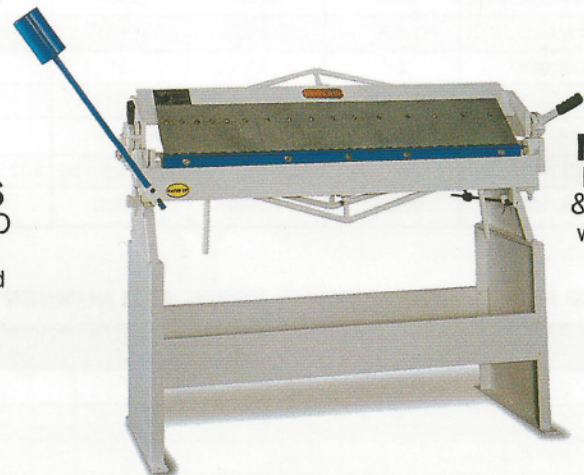
**Y-16**  
HAND NOTCHER  
with optional stand

## SPECIFICATIONS:

MODEL	MAXIMUM FORCE	CAPACITY MILD STEEL	NOTCHING SIZE	STROKE	TABLE SIZE	NET/GROSS WEIGHT
Y-16	4 TONS	16GA	6" x 6" x 90°	3/4"	18" x 12"	220/280lbs



**NS-4816**  
BENCH HAND  
BRAKE  
with floor stand



**NU-4816**  
BENCH BOX  
& PAN BRAKE  
with floor stand

## BENCH TYPE HAND BRAKES:

MODEL	CAPACITY MILD STEEL	MAX LIFT OF BEAM	BEAM ADJUSTMENT	NET/GROSS WEIGHT, LBS	PACKING SIZE
NS-4822	48 1/2" x 22GA	7/8"	3/8"	260/280	63" x 26" x 32"
NS-4816	48 1/2" x 16GA	1 3/4"	5/8"	500/520	63" x 26" x 32"

## BENCH TYPE BOX AND PAN BRAKES:

MODEL	CAPACITY MILD STEEL	MAX LIFT OF BEAM	BEAM ADJUSTMENT	NET/GROSS WEIGHT, LBS	PACKING SIZE
NU-4822	48" x 22GA	7/8"	3/8"	300/320	63" x 26" x 32"
NU-4816	48 1/2" x 16GA	1 3/4"	5/8"	550/580	63" x 26" x 32"

## STANDARD EQUIPMENT:

- One piece counter weight (except 22 gauge machine).
- Hand brake NS model, including one pair of bending rails
- Box and pan brake NU model, including fingers assortment of: (2"x 5+3"x6+4"x 5=16pcs).