

U.S. Baird 2 and 3 Series

High Speed *Multiple Transfer*® Presses

Specification	U.S. Baird 2-19	U.S. Baird 3-25	U.S. Baird 3-37	U.S. Baird 3-45
Capacity (max.)	15 tons (133kN)	25 tons (225kN)	25 tons (225kN)	25 tons (225kN)
Ram Strokes	1.12" (28.6mm) 1.5" (38.1mm) 2.0" (50.8mm)	1.0" (25.4mm) 1.5" (38.1mm) 2.0" (50.8mm) 2.5" (63.5mm) 2.75" (70.0mm) 3.0" (76.2mm)	1.0" (25.4mm) 1.5" (38.1mm) 2.0" (50.8mm) 2.5" (63.5mm) 3.0" (76.2mm) 4.0" (101.6mm)	2.5" (63.5mm) 3.0" (76.2mm) 4.0 (101.6mm) 4.5 (114.3mm)
Shut Height (Ram Step to Bolster)	8.625" (219.1mm)	10.0" (254.0mm)	11.5" (292.1mm)	11.5" (292.1mm)
Ram Width	18.93" (481.0mm)	24.93" (633.4mm)	37.0" (939.8mm)	45.0" (1143mm)
Cup Tonnage	0.8 ton (7.1kN)	1.3 ton (11.5mm)	1.3 ton (11.5kN)	2.5 tons (22.2kN)
Motor	3HP @ 1750 RPM	5HP @ 1750 RPM	7.5HP @ 1750 RPM	15 HP @ 1750 RPM
Speed	105-275 SPM	110-260 SPM	110-260 SPM	100-325 SPM
Floor Space (L-R)	48.0" (1220mm)	58.37" (148.3mm)	71.0" (1804mm)	95.0" (2413mm)
Floor Space (F-B)	28.62" (727mm)	33.5" (851mm)	41.0" (1042mm)	45.0" (1143mm)
Height	74.37" (1889mm)	79.87" (203mm)	86.0" (2185mm)	105.0" (2667mm)
Side to Side with OSHA guards	61.0" (1550mm)	76.5" (1943mm)	91.0" (2312mm)	135.0" (3429 mm)
Front to Rear with OSHA guards	51.0" (1295)	62.0" (1575mm)	70.0" (1778mm)	80.0" (2032mm)
Height with OSHA guards	81.37" (2067)	88.87" (2257mm)	95.0" (2413mm)	134.0" (3403.6mm)
Net Weight with Die Set	3350lbs (1520kg)	5400lbs (2450kg)	12000lbs (5436kg)	17,000lbs (7711kg)
Shipping Weight	3650lbs (1656kg)	5700lbs (2585kg)	12500lbs (5669kg)	17,500lbs (7937.8kg)
Maximum Width of Material	3.375" (85.7mm)	4.625" (117.5mm) *	4.625" (117.5mm) *	4.625" (117.5mm) *
Maximum Feed Length	2.87" (73.0mm)	3.0" (76.2mm)	3.0" (76.2mm)	3.0" (76.2mm)

*3-25 and 3-37 available with Electronic Oscillating Feed for 6.375" (161.9mm) wide stock with 2 to 10 row capability

Corresponding Die Sets

U.S. Baird 2-19				U.S. Baird 3-25				U.S. Baird 3-37			
Stations	Center Distance of Transfer Stoke	Max. Blank Diameter*	Max. Blank Diameter**	Stations	Center Distance of Transfer Stoke	Max. Blank Diameter*	Max. Blank Diameter**	Stations	Center Distance of Transfer Stoke	Max. Blank Diameter*	Max. Blank Diameter**
8	2.5"	1.5"	1.75"	8	3.0"	2.0"	2.25"	12	3.0"	2.0"	2.25"
9	2.0"	1.37"	1.75"	9	2.5"	1.62"	2.25"	14	2.5"	1.62"	2.25"
11	1.75"	1.0"	1.43"	11	2.0"	1.25"	1.875"	17	2.0"	1.25"	1.875"
12	1.5"	0.875"	1.43"	12	2.0"	1.25"	1.875"	20	1.75"	1.0"	1.875"
13	1.5"	0.875"	1.43"	13	1.75"	1.0"	1.875"	23	1.5"	1.5"	1.5"
14	1.125"	0.875"	1.25"	14	1.75"	1.0"	1.875"				
15	1.125"	0.875"	1.25"	15	1.5"	0.75"	1.5"				
				16	1.5"	0.75"	1.5"				

U.S. Baird 3-45			
Stations	Center Distance of Transfer Stoke	Max. Blank Diameter*	Max. Blank Diameter**
14	3.0"	2.0"	2.25"
16	2.5"	1.62"	2.25"
20	2.0"	1.25"	1.875"
23	1.75"	1.0"	1.875"

*When full size blank must be transferred to 2nd station

**When blank and cup performed at the 1st station