

Innovation > Perfection > Reliability



CNC Synchro Hydraulic Press Brakes

Trimans®

Trimans® CNC Synchro Hydraulic Press Brakes



Model PBS 830 with Delem DA 56



Model PBS 1630 with CybeleC DNC 70



Model PBS 2030 with CybeleC DNC 800



Linear Encoder



CNC Back Gauge System



CybeleC DNC 900 (Optional)
3D Graphical Controller



CybeleC DNC 1200 (Optional)
3D Graphical Controller



Motorized Wila Wedges Unit
(Optional)



Hoerbiger Manifold Block With
Proportional Control Valve

Short Facts

- ▶ Repetitive accuracy in the beam stopping is ± 0.01 mm.
- ▶ Full Control of positioning & speeds of the ram.
- ▶ Programming of bending angle upto 0.1 degree resolution, with automatic calculation of bending force & desired bending angle, ensures full protection against concentrated load on toolings.
- ▶ Programming of stroke, work speed (10% to 100%), return speed (10% to 100%) to make release of heavy or very wide plates smoother.
- ▶ Back Gauge retraction on pinch point.

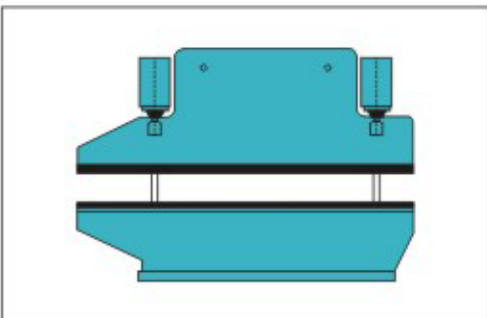
** Standard and Optional Accessories refer on last page.*



Delem DA 65W (optional)
2D Graphical Controller



Delem DA 66W (optional)
2D Graphical Controller



Horn Extension Press Brakes (available on request)



Multi Axes Back Gauge



Electric Control Panel



Delem DA 69W 3D
Graphical Controller (Optional)

METRIC TECHNICAL SPECIFICATIONS FOR Trimans[®] CNC SYNCHRO HYDRAULIC PRESS BRAKES (EUROPE & ASIA)

TRIMANS MODEL	Tonnage (MT)	Table Size (mm)	Working Height of Table (mm)	Clear Pass (mm)	Ram Stroke (mm)	Open Height (mm)	Closed Height (mm)	Throat depth (mm)	Ram Speeds (mm/sec.)			Motor (KW) HP	Over All Dimensions (mm)			Weight (kg)
									Approach	Pressing	Return		Length	Width	Height	
PBS 825	80	180 X 2500	900	2000	150	350	200	200	100	9	65	(7.5)10	4000	1900	2500	5500
PBS 830	80	180 X 3000	900	2500	150	350	200	200	100	9	65	(7.5)10	4500	1900	2500	6500
PBS 1025	100	180 X 2500	900	2000	150	350	200	200	100	7	55	(7.5)10	4050	2150	2700	6500
PBS 1030	100	180 X 3000	900	2500	150	350	200	200	100	7	55	(7.5)10	4550	2150	2700	7500
PBS 1230	125	220 X 3000	900	2500	200	410	210	300	100	6	55	(7.5)10	4600	2250	2850	8500
PBS 1240	125	220 X 4000	900	3000	200	410	210	300	100	6	55	(7.5)10	5350	2250	2850	9500
PBS 1630	160	220 X 3000	900	2500	200	410	210	300	100	7	70	(11.2)15	4600	2300	2900	11000
PBS 1640	160	220 X 4000	900	3000	200	410	210	300	100	7	70	(11.2)15	5400	2300	2900	13500
PBS 2030	200	220 X 3000	900	2500	200	410	210	300	100	6	65	(15)20	4650	2450	3000	14000
PBS 2040	200	220 X 4000	900	3000	200	410	210	300	100	6	65	(15)20	5400	2450	3100	17000
PBS 2530	250	300 X 3000	1000	2500	200	410	210	300	80	6.5	80	(18.75)25	4650	2500	3100	17000
PBS 2540	250	300 X 4000	1000	3000	200	410	210	300	80	6.5	80	(18.75)25	5400	2500	3200	19000
PBS 3030	300	300 X 3000	1000	2500	250	500	250	300	75	5.5	75	(18.75)25	4650	2600	3300	21000
PBS 3040	300	300 X 4000	1000	3000	250	500	250	300	75	5.5	75	(18.75)25	5450	2600	3500	26000
PBS 4030	400	300 X 3000	1000	2500	300	600	300	300	55	5	75	(18.75)25	4650	2700	3500	30000
PBS 4040	400	300 X 4000	1000	3000	300	600	300	300	55	5	75	(18.75)25	5500	2700	3800	32000
PBS 5040	500	300 X 4000	1000	3000	300	600	300	300	100	6	100	(30)40	5550	3000	4000	35000
PBS 5050	500	300 X 5000	1000	4000	300	600	300	300	100	6	100	(30)40	6500	3000	4200	40000
PBS 5060	500	300 X 6000	1000	4500	300	600	300	300	100	6	100	(30)40	7300	3000	4500	49000

IMPERIAL TECHNICAL SPECIFICATIONS FOR Trimans[®] CNC SYNCHRO HYDRAULIC PRESS BRAKES (U.S.A. & CANADA)

TRIMANS MODEL	Tonnage (British Ton)	Table Size (inch)	Working Height of Table (inch)	Clear Pass (inch)	Ram Stroke (inch)	Open Height (inch)	Closed Height (inch)	Throat depth (inch)	Ram Speeds (inch/min.)			Motor (KW) HP	Over All Dimensions (inch)			Weight (Lb)
									Approach	Pressing	Return		Length	Width	Height	
PBS 825	80	7 X 98	35	78	6	14	8	8	236	21	153	(7.5)10	157	75	99	12000
PBS 830	80	7 X 118	35	98	6	14	8	8	236	21	153	(7.5)10	177	75	99	14000
PBS 1025	100	7 X 98	35	78	6	14	8	8	236	16	130	(7.5)10	159	85	107	14500
PBS 1030	100	7 X 118	35	98	6	14	8	8	236	16	130	(7.5)10	179	85	107	16500
PBS 1230	125	8-1/2 X 118	35	98	8	16	8	12	236	14	130	(7.5)10	181	89	113	19000
PBS 1240	125	8-1/2 X 157	35	118	8	16	8	12	236	14	130	(7.5)10	210	89	113	21000
PBS 1630	160	8-1/2 X 118	35	98	8	16	8	12	236	16	165	(11.2)15	181	91	115	24500
PBS 1640	160	8-1/2 X 157	35	118	8	16	8	12	236	16	165	(11.2)15	212	91	115	30000
PBS 2030	200	8-1/2 X 118	35	98	8	16	8	12	236	14	153	(15)20	183	97	119	31000
PBS 2040	200	8-1/2 X 157	35	118	8	16	8	12	236	14	153	(15)20	212	97	122	37500
PBS 2530	250	12 X 118	39	98	8	16	8	12	190	15	190	(18.75)25	183	99	122	37500
PBS 2540	250	12 X 157	39	118	8	16	8	12	190	15	190	(18.75)25	212	99	126	42000
PBS 3030	300	12 X 118	39	98	10	20	10	12	177	13	177	(18.75)25	183	103	130	46000
PBS 3040	300	12 X 157	39	118	10	20	10	12	177	13	177	(18.75)25	214	103	138	57000
PBS 4030	400	12 X 118	39	98	12	24	12	12	130	12	177	(18.75)25	183	106	138	66000
PBS 4040	400	12 X 157	39	118	12	24	12	12	130	12	177	(18.75)25	216	106	150	70000
PBS 5040	500	12 X 157	39	118	12	24	12	12	236	14	236	(30)40	218	118	158	77000
PBS 5050	500	12 X 196	39	157	12	24	12	12	236	14	236	(30)40	256	118	165	88000
PBS 5060	500	12 X 236	39	177	12	24	12	12	236	14	236	(30)40	287	118	177	108000

TECHNICAL SPECIFICATIONS

Standard Accessories

- ▶ CNC controller DA 56 from DELEM (swivel mounted) for axes Y1-Y2 (for Ram) and X (for Back Gauge) with two manually displaceable stop fingers.
- ▶ Hydraulic system consisting of manifold block and proportional control valve from Hoerbiger. CNC controlled Back Gauge system with ball screws.
- ▶ Electrical control panel.
- ▶ OSHA workstation.
- ▶ Suitable harden and ground 2 way die and universal upper blade (segmented).
- ▶ Comprehensive instruction & maintenance manual.

Optional Accessories

- ▶ Additional axes R, Z, Z₁ & Z₂.
- ▶ Higher versions of DELEM controllers i.e. DA 65W, DA 66W, DA 69W.
- ▶ Cybele controllers also available on request.
- ▶ Optional serial link (RS 232).
- ▶ Anti-deflection unit (manual & motorized).
- ▶ Sliding sheet supports with swing-away stoppers for front gauging.
- ▶ Bed & ram horn extensions.
- ▶ Extra throat depth.
- ▶ Higher speed versions.
- ▶ Photo-electric finger safety guards.
- ▶ Hydraulic tool clamping.
- ▶ First fill of hydraulic oil.

Other Products



NC Hyd. Press Brakes
Range : 30 MT x 2000 MM
to 500 MT x 5000 MM



Conventional Hyd. Press Brakes
Range : 20 MT x 1500 MM
to 500 MT x 5000 MM



Extra Edge Hyd. Shears
Range : 20 MM x 3000 MM
to 32 MM x 5000 MM



Variable Rake Angle NC Hyd. Shears
Range : 4 MM x 2000 MM
to 16 MM x 5000 MM



Fixed Rake Angle Hyd. Shears
Range : 2 MM x 1500 MM
to 10 MM x 1500 MM

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Trimans®

The data / information in the catalogue are indicative. In consideration of our always improving technology, characteristics are given merely on informational basis and can be modified at anytime without prior notice.

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Nugen Machineries Ltd. based near Ahmedabad, India, is an ISO 9001:2000 certified manufacturer of Hydraulic Press Brakes and Hydraulic Shears. Nugen specializes in the manufacture of conventional, NC, CNC, Press Brakes and Shears for bending and shearing of plates in thin and heavy gauge. Nugen has large user base supported by a sound network of agents and representatives within India & abroad. Nugen has exported machines to over 18 countries. Nugen takes pride on being at the forefront of the sheet metal forming technology, a position it intends to maintain and strengthen.