



1.0 FORMING MACHINES

1.1 1 Die 2 Blow Header



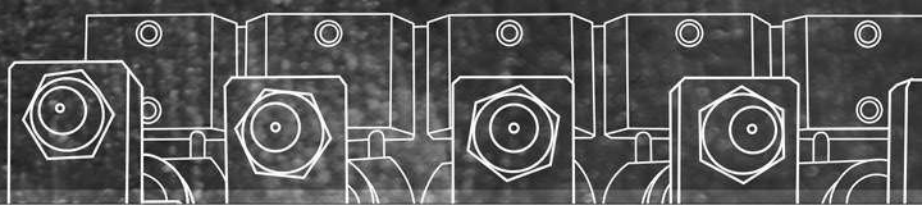
■ 1 Die 2 Blow Heading Machine (Full Cover)

Model	Max. Blank Ø (mm)	Max. Blank Length(mm)	Stoke (mm)	Production Rate (pcs/min)	Main Die Ø (mm)	Cut-Off Ø (mm)	1 st Punch (mm)	2 nd Punch (mm)	Motor (hp)	Oil Pump (hp)	Machine Dimensions (L x W x H) (cm)	Weight (kgs)
FA-2C	0.8-3	24	38	190-220	20	13.5	18	18	1	1/4	165x110x156	860
FA-5.5C	2-3.5	28	46	200-250	25	13.5	18	18	1	1/4	175x115x185	980
FA-10C	2-4	32	58	190-220	30	15	24	20	2	1/4	185x130x200	1160
FA-15C	4-5	64	92	150-180	34.5	19	31	31	2	1/4	198x130x175	1930
FA-15LC	4-5	76	110	150-180	34.5	19	31	31	2	1/4	198x130x175	1930
FA-20C	4-6	76	120	80-100	45	25	36	36	3	1/4	240x140x150	2640
FA-20LC	4-6	100	156	80-100	45	25	36	36	3	1/4	240x140x150	2640
FA-25C	4-8	102	160	65-85	60	32	38	38	7-1/2	1/4	350x160x180	4500

■ 1 Die 2 Blow Heading Machine (Semi-Cover)

Model	Max. Blank Ø (mm)	Max. Blank Length(mm)	Stoke (mm)	Production Rate (pcs/min)	Main Die Ø (mm)	Cut-Off Ø (mm)	1 st Punch (mm)	2 nd Punch (mm)	Motor (hp)	Oil Pump (hp)	Machine Dimensions (L x W x H) (cm)	Weight (kgs)
FA-5S	0.8-3	24	38	170-200	20	13.5	18	18	1	1/4	165x110x156	880
FA-5.5S	2-3.5	28	46	200-250	25	13.5	18	18	1	1/4	175x115x155	1050
FA-10S	2-4	32	58	190-220	30	15	24	20	2	1/4	185x130x172	1160
FA-15S	4-5	64	92	150-180	34.5	19	31	31	2	1/4	210x110x132	1840
FA-20S	4-6	76	120	80-100	45	25	36	36	3	1/4	240x140x150	2750

* Depend on market situation, Non-Cover Machine can be offered



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■ YH High Speed Heading Machine

Model	Max. Blank Ø (mm)	Max. Blank Length(mm)	Stoke (mm)	Production Rate (pcs/min)	Die Ø (mm)	Cut-Off Ø (mm)	1 st Punch (mm)	2 nd Punch (mm)	Motor (hp)	Oil Pump (hp)	Machine Dimensions (L x W x H) (cm)	Weight (kgs)
YH-1030	3	30	56	180-200	30	15	24	20	2	1/4	145x88x105	1000
YH-1538	5	38	66	180-200	34.5	19	31	31	3	1/4	179x102x109	1600
YH-1552	5	52	80	130-160	34.5	19	31	31	3	1/4	179x102x109	1600
YH-1564	5	64	92	130-160	34.5	19	31	31	3	1/4	179x102x109	1600
YH-1576	5	76	120	100-120	40	19	31	31	3	1/4	200x105x110	1800
YH-15100	5	100	160	80	40	19	31	31	5	1/4	271x106x121	2300
YH-2076	6	76	120	100-120	42.8	25	36	36	5	1/4	245x107x116	2200
YH-20102	6	102	146	66-84-90	45	25	36	36	7-1/2	1/4	305.8x130x127	3600
YH-20165	6	165	214	46-58-63	60	25	38	38	7-1/2	1/4	365x146x145	4100
YH-20200	6	200	254	30-40-50	60	25	38	38	7-1/2	1/4	400x127x145	4800
YH-20250	6	250	288	30-40-50	60	25	38	38	7-1/2	1/4	480x136x145	5600
YH-20400	6	400	460	26	60	25	38	38	10	1/4	610.4x126x175.4	7100

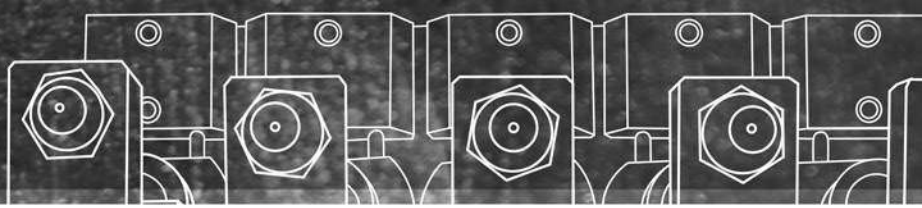


1.1 1 Die 2 Blow Header



■ ZH High Speed Heading Machine

Model	Max. Blank Ø(mm)	Max. Blank Length(mm)	Stoke (mm)	Production Rate (pcs/min)	DieØ (mm)	Cut-Off Ø (mm)	1 st Punch (mm)	2 nd Punch (mm)	Motor (hp)	Oil Pump (hp)	Machine Dimensions (L x W x H) (cm)	Weight (kgs)
ZH2550	8	50	110	80-110-130	60	28	38	38	7-1/2	1/4	260x144x131	4500
ZH25102	8	102	160	66-84-90	60	28	38	38	7-1/2	1/4	349x161x150	4800
ZH25152	8	152	220	50-65-70	60	28	38	38	10	1/4	405x155x138	5300
ZH25200	8	200	290	39	60	28	38	38	15	1/4	481.3x153x159	7600
ZH25305	8	305	370	30-48	60	28	38	38	10	1/2	482x167x144	8000
ZH3076	10	76	140	70-80	80	40	50	50	15	1/2	388x172x145	7500
ZH30152	10	152	230	52-60	80	40	50	50	20	1/2	452.5x195x174.5	8100
ZH30200	10	200	280	42-48	80	40	54	50	20	1/2	493x180x155	7600
ZH30320	10	320	420	26-30	80	40	50	50	20	1/2	671x199.5x178	8300
ZH30400	10	400	480	26	80	40	60	50	20	1/2	710x210x180	14100
ZH40100	13	100	166	60-70	93	46	60	60	30	1/2	436x182x158	9900
ZH40200	13	200	290	38-44	98	48	68	68	25	1/2	567x190x170	14000
ZH40300	13	300	400	26-30	98	48	68	68	30	1/2	721.6x204x182	13400
ZH40350	13	350	440	26-30	98	48	68	68	30	1/2	850.5x216x191	15400
ZH40450	13	450	540	25	98	48	68	68	30	1/2	890x226x200	18900
ZH50100	16	100	230	46	110	56	74	74	40	1/2	613x220x213	16500
ZH50250	16	250	190	41	110	56	74	74	40	1/2	782x225x220	20000
ZH60200	19	200	290	40	135	65	85	80	50	1/2	730x244x212	21000
ZH60300	20	300	206	28	135	65	85	80	50	1/2	776.5x245x230	24310
ZH60420	19	420	500	31	148	65	82	82	50	1/2	874x250.4x225	28000
ZH70250	22	250	360	40	140	75	95	95	75	1/2	830x250x220	30100
ZH70320	22	320	440	30	152	80	95	95	75	1/2	870x261x230	33200
ZH70420	22	420	270	28	152	80	95	95	75	1/2	985.4x281x240.2	34500
ZH80330	26	330	444	30	168	98	108	95	75	1/2	890x275x235	35000



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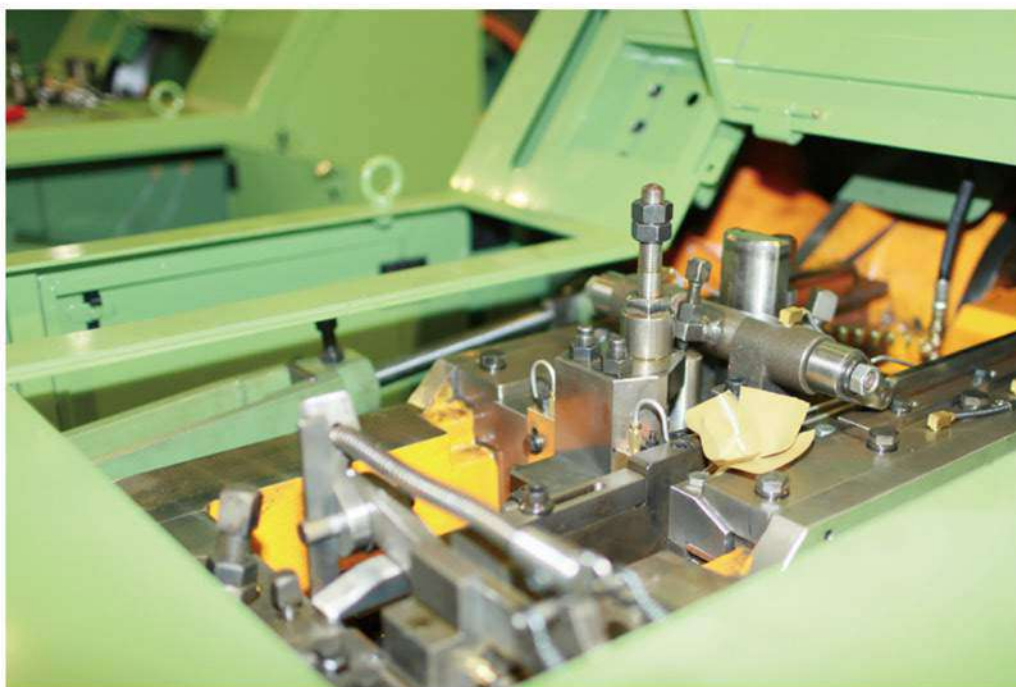


■ DT-High Speed Heading Machine (YH Series)

Model	Max. Blank Ø (mm)	Max. Blank Length (mm)	Stroke (mm)	Max. Production rate (pcs/min)	Main Die Ø (mm)	Cut-Off Ø (mm)	1st Punch Die(mm)	2nd Punch Die(mm)	Motor (hp)	Overall Dimension (L x W x H) (cm)	Approx. Weight (kg)
YH-1030	3.5	30	56	180-200	30	15	25	25	2	150x90x105	1000
YH-1032	3.5	32	56	180-200	30	15	25	25	2	150x90x105	1000
YH-1538	5	38	68	180-200	34.5	19	31	31	2	197x102x112	1400
YH-1552	5	52	80	130-160	34.5	19	31	31	2	197x102x112	1400
YH-1564	5	64	92	130-160	34.5	19	31	31	2	197x102x112	1400
YH-1576	5	76	114	100-130	34.5	19	31	31	3	215x102x116	1600
YH-2076	6	76	120	100-120	43	25	36	36	3	260x125x120	2100
YH-2090	6	90	132	80-100	43	25	36	36	5	280x125x125	2200
YH-20102	6	102	150	75-90	45	25	36	36	5	300x131x127	2800
YH-20165	6	165	210	50-60	60	25	38	38	5	340x132x127	3200
YH-20200	6	200	260	40-52-58	60	25	38	38	5	380x138x145	4500
YH-20250	6	250	320	35-42-48	65	25	38	38	7 1/2	430x160x175	7000
YH-20305	6	305	380	32	65	25	38	38	10	455x170x180	8500

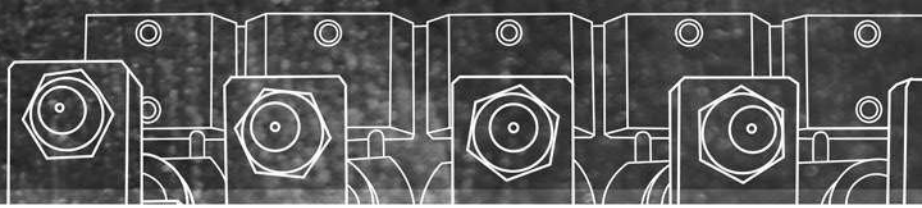


1.1 1 Die 2 Blow Header



■ DT-High Speed Heading Machine (ZH Series)

Model	Max. Blank Ø (mm)	Max. Blank Length (mm)	Stroke (mm)	Max. Production rate (pcs/min)	Main Die Ø (mm)	Cut-Off Ø (mm)	1st Punch Die(mm)	2nd Punch Die(mm)	Motor (hp)	Overall Dimension (L x W x H) (cm)	Approx. Weight (kg)
ZH-25102	8	102	160	65-85	60	32	38	38	7 1/2	349x151x135	4000
ZH-25127	8	127	184	55-75	60	32	38	38	7 1/2	380x153x136	4500
ZH-25152	8	152	210	50-70	60	32	38	38	7 1/2	405x155x138	5200
ZH-25200	8	200	270	42-48	60	32	45	45	15	445x172x150	6200
ZH-3076	10	76	140	70-80	80	35	50	50	15	388x172x145	6600
ZH-30102	10	102	170	60-70	80	40	55	55	15	443x175x160	6600
ZH-30152	10	152	230	52-60	80	40	55	55	15	445x174x151	7000
ZH-30200	10	200	280	42-48	80	40	55	55	20	493x175x165	10500
ZH-30305	10	305	400	28-38	90	40	55	55	30	500x195x190	15000
ZH-40102	13	102	180	60-70	88	45	60	60	25	420x200x176	9500
ZH-40200	13	200	300	36-45	98	48	68	68	30	550x215x185	14000
ZH-40305	13	305	410	29-38	98	48	68	68	40	650x220x220	20000



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■ YH High Speed Heading Machine

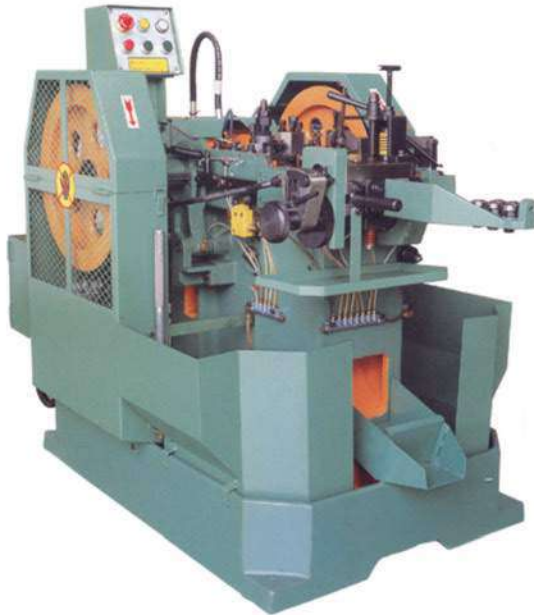
Model	Max. Blank Ø (mm)	Max. Blank Length(mm)	Stoke (mm)	Production Rate (pcs/min)	Die Ø (mm)	Cut-Off Ø (mm)	1 st Punch (mm)	2 nd Punch (mm)	Motor (hp)	Oil Pump (hp)	Machine Dimensions (L x W x H) (cm)	Weight (kgs)
YH-0525	3	25	40	200-230	20	13.5	18	18	1	1/8	140x75x85	700
YH-1032	4	32	60	180-200	34.5	15	26	24	2	1/8	145x88x105	900
YH-1538	5	38	64	180-200	34.5	19	31	31	2	1/4	200x100x120	1600
YH-1552	5	52	80	130-160	34.5	19	31	31	2	1/4	200x100x120	1600
YH-1564	5	64	92	130-160	34.5	19	31	31	2	1/4	200x100x120	1600

■ ZH High Speed Heading Machine

Model	Max. Blank Ø (mm)	Max. Blank Length(mm)	Stoke (mm)	Production Rate (pcs/min)	Die Ø (mm)	Cut-Off Ø (mm)	1 st Punch (mm)	2 nd Punch (mm)	Motor (hp)	Oil Pump (hp)	Machine Dimensions (L x W x H) (cm)	Weight (kgs)
ZH-2076	6	76	120	100-120	45	25	36	36	3	1/4	245x110x120	2200
ZH-20102	6	102	150	80-100	45	25	36	36	5	1/4	270x120x135	2600
ZH-25102	8	102	160	70-85	60	28	42	42	7-1/2	1/4	350x151x135	6000
ZH-25152	8	152	210	60-70	60	28	42	42	7-1/2	1/4	400x160x160	6000



1.1 1 Die 2 Blow Header



■ 1 Die 2 Blow Heading Machine

Model	Max. Blank Ø(mm)	Max. Blank Length (mm)	Length of Main Die (mm)	Die Ø (mm)	Cut-Off Die Ø (mm)	1 ST Punch Die Ø (mm)	2 nd Punch Die Ø (mm)	Total Power (kw)	Stroke (mm)	Production Rate (pcs/min)	Machine Dimensions (L x W x H) (cm)	Approx. Weight (kgs)
HC-5HB	6	60	80	34.5x80	19x36	31x70	31x80	2.25	92	100-130	190x110x130	1500
HC-5HB-40	6	40	80	34.5x80	19x36	31x70	31x80	2.25	70	150-170	190x110x130	1500
HC-5HBA	6	70	98	34.5x75	19x36	31x80	31x80	2.25	92	80-100	220x110x130	1600
HC-8H-100	10	100	126	55x126	28x60	38x120	38x120	5.625	160	70	340x150x138	4500
HC-8H-150	10	150	176	55x176	28x60	38x120	38x120	5.625	220	60	360x152x138	4800
HC-8H-150A	10	150	176	55x165	28x60	38x120	38x120	5.625	220	50	390x152x150	5000
HC-12H	14	200	220	96x220	48x100	68x170	68x170	18.75	290	40	560x190x180	12000

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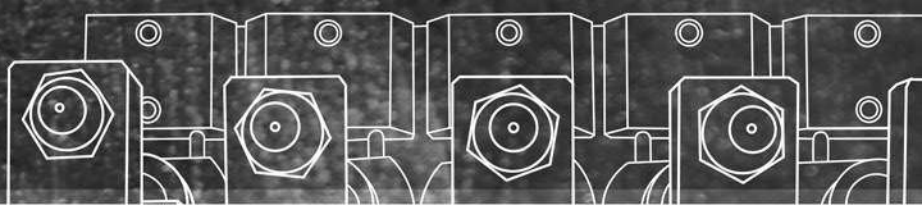
■ 1 Die 2 Blow Heading Machine

Model	Max. Blank Ø (mm)	Max. Blank Length (mm)	Main Die Ø (mm)	1 st & 2 nd Punch Ø (mm)	Cut-Off Ø(mm)	Cutter (mm)
SWHM5S-35	2-5	5-35	34.5x67.5	31x56.5	19	9.5x30x65
SWHM5S-50	2-5	10-50	34.5x67.5	31x56.5	19	9.5x30x65
SWHM5L-65	2-5	15-65	34.5x79.5	31x56.5	19	9.5x30x65
SWHM5L-75	2-5	20-75	34.5x100.5	31x60	19	9.5x30x65
SWHM6L-100	3-6	25-100	50x150.5	36x70	25	11.5x50x75 11.5x50x80
SWHM6LL-150	3-6	80-150	60x200.5	38x90	25	11.5x50x85
SWHM6LL-200	3-6	120-200	60x260.5	38x90	25	11.5x50x85
Model	Stroke (mm)	Production Rate (pcs/min)	Main Motor (hp)	Back K.O.	Machine Dimensions (L x W x H) (cm)	Approx. Weight (kgs)
SWHM5S-35	64	64	3	7.5x58.5	200x106x115	1450
SWHM5S-50	80	80	3	7.5x58.5	190x110x118	1450
SWHM5L-65	92	92	3	7.5x58.5	190x110x118	1480
SWHM5L-75	120	120	5	7.5x83	240x113x125	1680
SWHM6L-100	170	170	10	9.5x100	310x123x170	2800
SWHM6LL-150	220	55/65/80/90 (Inverter)	10	9.5x125	445x155x175	5500
SWHM6LL-200	270	55/65/80/90 (Inverter)	10	9.5x200	510x165x185	6000



1.1 1 Die 2 Blow Header





1.1 1 Die 2 Blow Header



■ 1 Die 2 Blow Micro Precision Heading Machine – Fingerless transfer

Model	Wire Ø (mm)	Cut-Off Length (mm)	KO. Length (mm)	Output (Free Run) (pc/min)	Main Stroke (mm)	Up/Down Stroke (mm)	P.K.O. Stroke (mm)
HUI-05	0.5-2.2	2-16	12	50-250	36	26	6/6
HUI-10	1.6-3.5	3-25	16	60-220	60	32	9/9
UI15	2.2-4.5	3-35	25	50-150	92	40	2nd Punch/10
UI20	2.6-5.3	5-40	25	50-120	120	45	2nd Punch/12
Model	Main Motor (hp)	Main Die Dia. (mm)	Punch Dia. (mm)	Quill/Pusher Ø (mm)	Cutter Dia. (H x W x L) (mm)	Overall Size (L x W x H) (cm)	Net Weight (kgs)
HUI-05	2-4	30x35.3L	18x50L	12 / 14	6x20x58	210x120x175	1000
HUI-10	3-4	38x50.3L	22/18x65L	15 / 15	8x24x76	225x120x180	1350
UI15	4-5	34.5x80.5L	31x75L	17 / 15	9x32x75	225x125x185	1650
UI20	5-6	42x100.5L	36x93L	22 / 15	10x38x83	250x155x185	2200

■ 1 Die 2 Blow Micro Precision Heading Machine –Active transfer

Model	Wire Ø (mm)	Cut-Off Length (mm)	KO. Length (mm)	Output (Free Run) (pc/min)	Main Stroke (mm)	Up/Down Stroke (mm)	P.K.O. Stroke (mm)
UF20	2.6-5.3	40-90	76	60-90	120	45	X
Model	Wire Ø (mm)	Cut-Off Length (mm)	KO. Length (mm)	Output (Free Run) (pc/min)	Main Stroke (mm)	Up/Down Stroke (mm)	P.K.O. Stroke (mm)
UF20	5-6	42x100.5	36x93	22 / 15	10x38x75	250x155x185	2350

* 2D3B, 3D3B,4D4B, 6D6B Forming machine also available for UQueen.