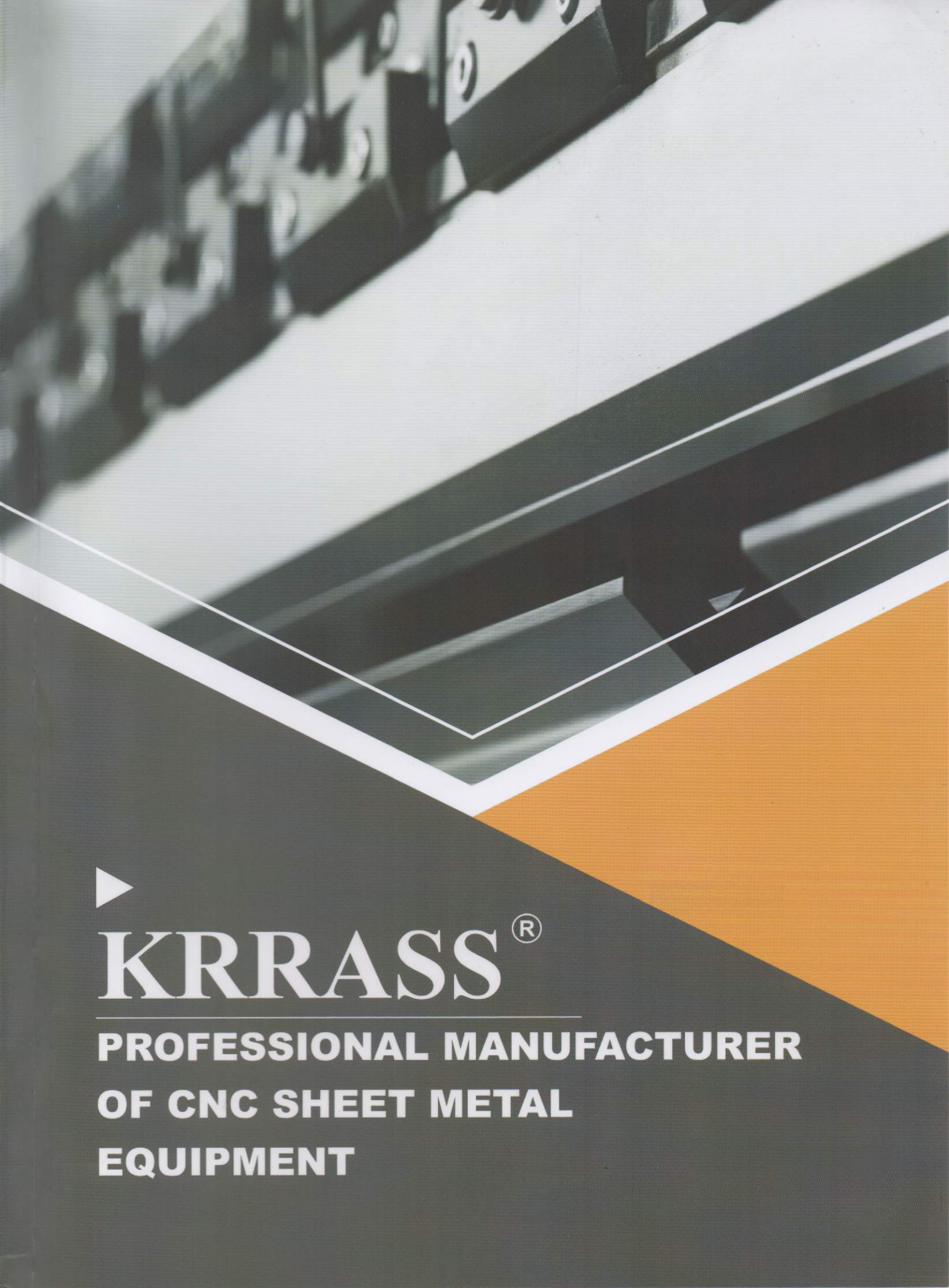
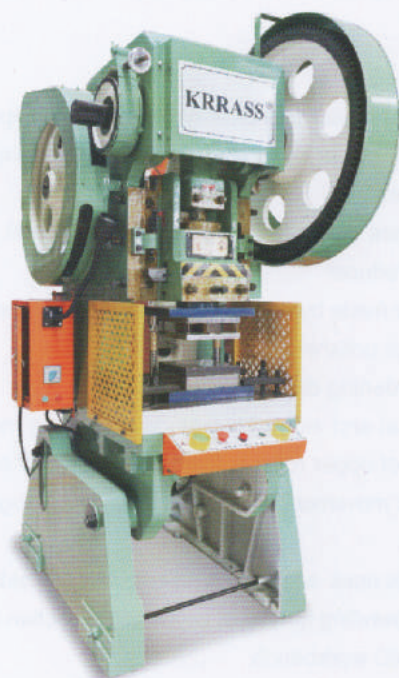


A close-up, black and white photograph of a CNC sheet metal machine. The image shows various mechanical components, including a series of rollers or guides in the upper left, and a large, flat metal sheet being processed. A prominent white geometric shape, resembling a stylized 'K' or a large triangle, is overlaid on the image, separating the top photograph from the bottom dark grey section. The bottom section features the company name and tagline in white text, with an orange triangular graphic element on the right side.

▶ **KRRASS[®]**

**PROFESSIONAL MANUFACTURER
OF CNC SHEET METAL
EQUIPMENT**

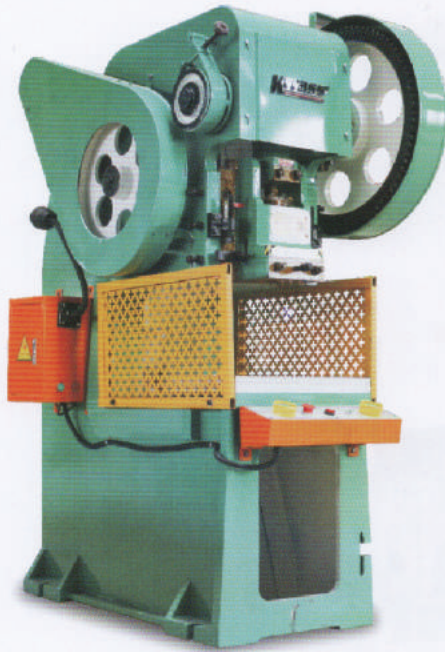
> JB23 SERIES MECHANICAL PUNCHING MACHINE



- The series punching machine adopt rigid rotated key clutch with simple structure, easy operation and maintenance, helical gear transmission, smooth operation and low impact.
- J23-25 open inclinable punching machine, first changed from traditional sliding bearing to ball bearing with higher Wear.
- Resistance, avoid generating big gear noise due to brass faster abrasion.
- J23 series open inclinable punching machine is unique in the industry with transmission brass gear.
- Redesigned machine body with higher strength, at the same time, completed with ball bearing transmission (small noise).
- J23-80 and above tonnage punching machine is in pneumatic dual-balance cylinder structure with low balance fluctuation, balancing slider and upper die weight, and avoiding machine shaking caused by afore-mentioned weight.
- Prevent gear backward force colliding and making noise, eliminating clearance between connecting rod and slider and reducing force component impact and abrasion.
- Avoid slider falling accidents due to brake failure or connect rod breakage.

Technical Parameter	Unit	JB23-10	JB23-16	JB23-25	JB23-40	JB23-63	JB23-80	J21-100	J21-125	J21-160
Nominal Pressure	KN	100	160	250	400	630	800	1000	1250	1600
Nominal Pressure Stroke	mm	2	2	2.5	4	4	5	5	6	10
Slider Stroke	mm ¹	50	60	70	100	100	115	130	130	130
Slider Stroke Times	mm	140	100	70	50	50	45	40	40	35
Max. Closed Height	mm	200	250	290	350	380	410	420	420	410
Die Height Adjustment	mm	40	40	40	60	60	60	60	60	80
Distance from Slider Center to Machine Body	mm	130	180	200	250	280	280	320	320	360
Bolster Size(F B×L R)	mm	230×370	280×450	330×530	420×640	450×700	500×750	600×900	650×1000	650×1100
Bolster Blanking Hole Dia.	mm	95	125	130	160	190	200	210	210	210
Slider Subface Size (F B×L R)	mm	100×145	130×180	170×200	190×250	220×310	250×300	280×380	350×380	340×420
Shank Hole Size (Dia×Depth)	mm	30×50	35×60	4×60	50×100	50×100	60×100	60×100	70×100	80×100
Columns Interval	mm	170	200	230	320	350	360	400	430	330
Bolster Thickness	mm	30	40	45	70	80	90	100	110	110
Max. Inclined Angle of Machine	Kw	20	20	20	20	20	20			
Motor Power	R/Min	1.1	1.5	2.2	4	5.5	7.5	7.5	11	15
Motor Speed	-	1440	1440	1430	1420	1440	1440	1440	1440	
Machine Outline Size (L×W×H)	mm	740×600×1500	900×780×1720	1000×830×1950	1400×1100×2300	1500×1200×2400	1600×1300×2600	1800×1300×2650	1900×1500×2800	2000×1600×2900
Weight	T	0.55	0.85	1.3	2.7	3.5	4.5	5.5	7.8	12

> J21S SERIES DEEP-THROAT PUNCHING MACHINE



- This series press machine use rigid rotating-key clutch, structure simple, easy operation and maintenance-free, driven by helical gear, stable, low impact.
- J21-25 open inclinable punching machines are the domestic first batch of punching machine equipped with ball bearings, high resistance and low noise, instead of traditional sliding bearing (copper tile).
- J21 open-type inclinable punching machine is unique in the industry, copper tile transmission gear.
- Redesigned frame with high strength, transmission through ball bearing (low noise).
- All J21-80T above punching machines: pneumatic double balancing cylinder structure balances the weight of slider and upper die to prevent shaking.
- Can prevent gear colliding, minimizing noise, eliminating the gap between connecting rod and slider, reducing impact and wear of loaded parts.
- Prevent the slider from falling down and occurring accident in case of brake failure or connecting-rod breaking down.

Technical Parameter	J21S-10	J21S-16	J21S-25	J21S-40	J21S-63	J21S-80	J21S-100
Nominal Pressure(KN)	100	160	250	400	630	800	1000
Nominal Pressure Stroke(mm)	3	4	4	6	6	8	10
Slider Stroke(mm)	50	60	70	100	100	115	130
Slider Stroke Times (mm ⁻¹)	130	130	70	50	50	45	45
Max Die Height(mm)	130	200	200	300	330	380	380
Closed Height Adjustment Value(mm)	40	40	60	60	80	80	80
Distance from Slider Center to Machine(mm)	420	500	500	500	600	500	500
Worktable Size(F.B×L.R)	210×370	320×490	330×530	400×650	450×690	510×810	600×900
Worktable Blanking Hole Size (F.B×L.R×Dia)	130×170×120	150×200×180	160×220×200	280×200×220	140×280×200	250×340×290	250×340×290
Worktable Thickness(mm)	45	50	50	80	80	90	95
Bottom Size of Slider (F.B×L.R)(mm)	130×170	140×180	170×230	230×260	230×300	250×320	360×320
Shank Hole Size(Dia×Depth)	30×50	35×60	40×60	50×60	60×70	60×80	60×75
Upright Distance (mm)	145	160	240	300	320	300	300
Motor Power(Kw)	1.1	1.5	2.2	3	4	7.5	7.5
Motor Speed (R/Min)	420	1420	1420	1420	1440	144	1440
Outline Dimension(L×W×H)	1350×840×1750	1400×860×1950	1450×860×1950	1650×1100×2320	1850×1180×2480	1850×1285×2450	1820×1400×2850
Weight(T)	1.2	1.9	2.4	3.5	4.2	5.4	6.4

> JH21 SERIES PNEUMATIC POWER PRESS



Description		Unit	JH21-16	JH21-25	JH21-45	JH21-63
Nominal Force		KN	160	250	450	630
Nominal Stroke		mm	2	3	4	4
Slider Stroke		mm	60	80	100	120
Stroke times	FixeZ	mm ¹	135	100	80	70
	Variable		120-150	80-120	70-90	60-80
Max Die Height		mm	220	250	270	300
Die Height Adjustment		mm	30	50	60	80
Distance from Slide Center to Machine Body		mm	160	210	230	300
Bolster Size (F B×L R)		mm	310×700	400×700	440×810	580×900
Bolster Blanking Hole (Up Dia×Depth×Low Dia)		mm	ø170×20×ø150	ø170×20×ø150	ø180×30×ø160	ø200×40×ø180
Bolster Thickness		mm	65	80	110	110
Bed Opening (Dia/FB×LR)		mm	200×220	260×250	300×300	390×460
Slider Botton Size (F B×L R)		mm	250×320	300×360	340×410	400×480
Shank Hole (Dia×Depth)		mm	ø40×60	ø40×60	ø40×60	ø50×60
Columns Interval		mm	460	450	550	560
Main Motor Power		Kw	3	3	5.5	5.5
Machine Outline Dimension (L×W×H)		mm	1500×1040×2000	1300×1025×2150	1390×1125×2275	1580×1205×2580
Net Weight		Kg	2400	2600	3450	5200

- Steel welded frame with high intensity
- Germany Siemens main motor
- Combined dry pneumatic friction clutch and brake
- Gear pairs: oil bath lubrication
- Six-face rectangle lengthened guide rail
- Rigid collapse-type insurance components
- JH21-16 / 25 / 25B / 45 manual adjustment die height, JH21-25 / 45: scale indication, JH21-63: digital display
- JH21-63 and above: electric adjustment die height with digital display
- JH21-45 electric adjustment die height (optional) with digital display
- The slider is equipped with a lifting balance cylinder (except JH21-25)
- Imported dual solenoid valve
- JH21-160 and above adopt grease forced lubrication system
- Balance cylinder: manual Lubrication
- Set a group blowing device
- Estun PLC controller
- Contactor, button and indicator of International brand
- Optional: air-cushion device, auto-feed shaft device, photoelectric protection, and various automated equipments



JH21-80	JH21-110	JH21-125	JH21-160B	JH21-200B	JH21-250	JH21-315	JH21-400
800	1100	1250	1600	2000	2500	3150	4000
5	6	6	6	6	8	8	10
140	160	160	160	200	200	200	200
60	50	50	40	35	30	30	25
50-70	40-60	40-60	35-50	30-40	25-35	25-35	20-30
320	350	350	350	450	430	430	430
80	80	80	110	110	120	120	120
300	350	350	380	390	420	420	420
580×1000	680×1150	680×1150	740×1300	760×1400	800×1400	800×1400	800×1400
ø200×40×ø180	ø260×50×ø220	ø260×50×ø220	ø300×50×ø260	ø300×50×ø260	ø320×50×ø280	ø320×50×ø280	ø320×50×ø280
120	140	140	150	160	170	170	180
390×520	420×540	420×540	480×600	480×600	370×570	440×580	440×580
420×560	500×650	540×680	580×770	600×800	650×850	650×850	690×900
ø50×80	ø60×80	ø60×80	ø65×85	ø65×90	ø70×90	ø70×90	ø70×90
640	760	760	850	870	960	920	960
7.5	11	11	15	18.5	22	30	37
1640×1290×2800	1850×1450×3060	1850×1490×3060	2230×1630×3210	2480×1645×3520	2800×1730×3550	2800×1730×3710	3140×1800×3970
6720	9300	9800	14500	17400	22100	22300	28700

> Y41 SERIES C-FRAME HYDRAULIC PRESS



- Computer optimized structure design: single-arm C-frame, high rigidity, simple structure, easy use.
- Integrated welding, the structure and all welding parts are treated by tempering to eliminate internal stress.
- Two-way cartridge valve integrated system: long service life, reliable, low hydraulic impact, and reduce the pipeline leaking points.
- The hydraulic system is equipped with pressure pre-relief device to minimize hydraulic shock power.
- Independent electric control system: reliable, intuitive and convenient maintenance.
- Button centralized control: manual or semi-auto adjustment.
- Slider working pressure, no-loading fast down speed and slow pressing travel range are adjustable according to technology requirements.
- With hands-on control and programmable logic control, upper slider equipped with lubrication-free sliding device.

Description		Unit	2.5T	4T	6.3T	10T	16T	25T	40T	63T	100T	160T	250T
Nominal Force		KN	25	40	63	100	160	250	400	630	1000	1600	2500
Max. Pressure of Liquid		Mpa	5	7.9	8	8.1	13	20.3	22.6	24.7	26.3	19.9	25
Max. Opening Height		mm	300	390	450	500	550	600	700	800	800	900	900
Max. Stroke of Slider		mm	200	200	250	300	350	350	400	500	500	500	500
Down Speed of Slider		mm/s	42	45	45	45	45	45	49	53	36	24	23
Return Speed of Slider		mm/s	70	75	85	75	75	100	85	95	76	65	55
Throat Depth		mm	160	160	220	220	280	280	300	320	320	325	325
Worktable Size	F.B.	mm	300	300	420	420	480	480	550	600	600	600	600
	L.R.	mm	400	400	460	460	550	550	700	800	800	1200	1200
Height from Worktable to Ground		mm	700	700	700	700	700	700	700	700	700	700	700
Blanking Hole Dia.		mm	70	70	80	80	80	80	100	120	120	100	200
Oil Pump		-	Vane Pump	Vane Pump	Vane Pump	Vane Pump	Vane Pump	Vane Pump	Vane Pump	Vane Pump	Vane Pump	Vane Pump	Vane Pump
Motor Power		KW	1.5	2.2	3	4	4	4	5.5	5.5	7.5	11	18.5
Outline Dimension	F.B.	mm	810	860	1080	1080	1220	1280	1370	1570	1655	1630	1767
	L.R.	mm	565	585	620	650	730	755	805	850	875	2000	2000
	Height Above the Ground	mm	1565	1650	1725	1900	1990	2200	2250	2650	2650	1960	2500
Total Weight(Approx.)		kg	500	750	1000	1250	1700	2300	2800	3800	4800	17000	17000