

JH21 RANGE

Exceptional Warranty

3 Years on Clutch/Brake unit

2 Years on original press parts

1 Year on electrical components

*Conditions Apply



- From 25-400 Tons.
- Hydraulic Safety Overload Protection.
- Latest Technology Multi Plate Wet Clutch/Brake.
- Electric Slide Adjustment.
- Pilz PNOZ Safety PLC, Schneider PLC & Touch Screen Display.
- TMA Designed Electrical Control Circuit for complete support.
- High & Standard speed & stroke ranges.
- Non-Standard Strokes and Speeds Available.
- Automatic Lubrication.
- CE Marked.
- Warranty and Support by TMA.
- Many Options – Variable Speed, Light Guards, Rising Screen Guards etc.

Standard Equipment

Multi Plate wet clutch-brake unit – high performance

3-year warranty on clutch/brake unit. *

Minimal wear on friction plates due to running in oil.

Less maintenance and strip downs required.

Just change oil every 6 months.



Dual solenoid safety valve

Dual electrical solenoids

Designed to fail safe

Exhaust/silencer to reduce noise



Hydraulic Overload Safety Device

Protects the press if it is accidentally overloaded due to a double blank, incorrect setting, spanner left in the tools etc.

This can be reset and the press ready to run again in less than one minute.



Automatic Lubrication System

Semi-Fluid Grease

Lube Fault Indication

Easy fill with quick connect pump

Manual pump for balance cylinders



Slide Adjustment Readout

Electric adjustment (std. on 60T+ models)

Adjust the slide up or down at any position of the stroke by the touch of a button



Air Services

Quick release fittings

Main air

Air Ejection

FRL unit – Lockable on/off valve

Pressure gauge, adjustable main air

Filter, lubricator



Pneumatic Slide Balance

Adjustable air pressure to balance the slide and tool weight

Air Pressure Switch

Monitors air pressure and stops the press if pressure drops

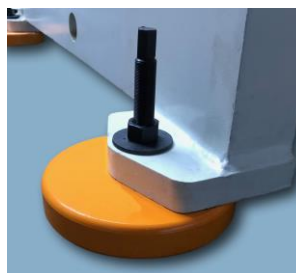
A fault message is displayed on the touch screen



Levelling Machine Mounts

Absorb vibrations

Reduces noise



Mechanical Cambox

6-way mechanical cam box

Encoder for electronic cams



Electrical Controls

Operators Control Panel

Very simple to operate

Schneider touch screen display

Installed and programmed by TMA

Pilz safety PLC for safety circuit

Schneider PLC for control

Spare electrical components are carried in stock



2-hand control stand & foot pedal

Including: 2-hand to start

slide adjustment

emergency stop

continuous stop

air ejection



Tool Setters Safety Block

Interlock switch

Cuts press out for tool setting



Options

Variable Speed (option)

Adjust the press speed by the touch of a button

Great for coil feed work to ensure the line runs efficiently



Helm Load Monitor

Monitor the tonnage on the press

Set high and low limits

Compare left and right-hand sides

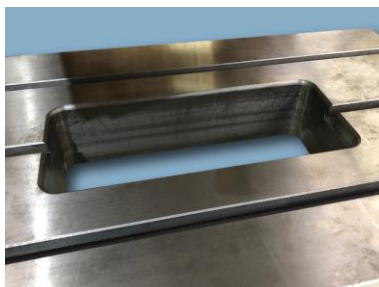
Basic and full function systems linked to a PC with SPC charting histograms, downtime etc.



Bed Plate modifications

We can machine scrap drop holes to your specifications

T-slots can be machined to your requirements



TMA servo feed

Manufactured and programmed by TMA

Installed and fully supported by TMA

User friendly touch screen display

Adjustable pneumatic roll pressure

Job storage for up to 500 jobs

Pilot release function

Alternate pitch option



Coil Feed Equipment

Straighteners

Decoilers

Scrap Choppers

Etc.



Guarding

Single Hinged Front Door

Mesh or polycarbonate in fill

Contact less monitored interlock switched

Quick open guard door lock



Double Hinged Front Doors

Aluminium profile frame

Clear polycarbonate infill

Or Black mesh infill



TMA WORLD PRESSES

Safety Light Guards (option)

Speeds up single operation work

Can be used in auto and single cycle modes



Rising Screen Guard

Electrically interlocked into press safety circuit

Pneumatically operated

Shot bolt/pneumatic override to hold closed



Rear Hinged Door Guard

Electrically interlocked into press safety circuit

Clear polycarbonate or mesh

Easy access to lubrication pump.



Standard Equipment

- Wet type combined multi plate clutch/brake unit
- Hydraulic overload protector
- Automatic monitored lubrication system
- Manual lubrication system to balance cylinders
- Die setter's safety block
- Dual solenoid in-line safety valve
- Slide Adjustment – Electric as std. on 60T+ models, optional on 25 & 45T models
- Motor – forward & reverse
- Die height indicator (4-digit)
- Slide counter balance cylinders
- Crank Angle Indicator
- Mechanical Cam box
- Electronic Cam box
- 2-Hand Control
- Foot Pedal
- Stroke counter
- Air receiver
- Air source quick connector
- Air blow off ejection system
- Working die area light
- Operators manual & drawings
- Levelling Machine Mounts
- Fully guarded with fixed side guards and hinged interlocked front guard as standard (other types of guards also available)

Options

Guarding – Light Guards, Pneumatic Rising Screen, Operators Guard.

Variable Speed.

Non-Standard Strokes.

Load Monitor.

Die Cushion.

TMA Servo Feed.

Coil feed equipment – decoilers, straighteners etc.

*single shift, 2,000 hours per year, normal use

TMA WORLD PRESSES

Press Range

Specifications		units	JH21-25		JH21-45		JH21-60		JH21-80		JH21-100		JH21-125	
Type			S	H	S	H	S	H	S	H	S	H	S	H
Capacity	KN		250		450		600		800		1,000		1,250	
Rated tonnage point	mm		3		4		4		5		5		6	
Stroke	mm		80	50	70	120	80	140	100	160	100	160	110	180
Speed	Fixed	spm	100	125	95	80	90	70	80	60	80	55	70	50
	Variable	spm	60-120	75-150	65-120	50-95	60-115	45-85	55-100	40-75	55-100	35-65	50-90	35-65
Shut Height (SDAU)	mm		250	265	295	270	330	300	350	320	365	335	385	350
Slide Adjustment	mm		50		60		70		80		90		90	
Throat Depth	mm		210		225		270		310		330		350	
Slide Area	LxR	mm	360		410		480		540		620		620	
	FxB	mm	250		340		400		460		520		520	
Slide hole diameter	mm		40		50		50		50		70		70	
Bed Area	LxR	mm	720		825		930		950		1,060		1,100	
	FxB	mm	400		440		520		600		640		380	
Bed hole diameter	mm		150		150		150		180		180		200	
Bed thickness	mm		80		110		130		140		145		155	
Bed height from floor	mm		780		800		900		900		900		900	
Overall Dimensions	F-B	mm	1,500		1,600		1,540		1,800		2,000		2,050	
	L-R	mm	950		1,100		1,200		1,200		1,300		1,350	
	H	mm	2,400		2,600		2,800		3,000		3,200		3,400	
Motor Power	Kw		3.0		5.5		5.5		7.5		7.5		11.0	
Weight	Kg		2,450		3,550		5,200		6,500		8,700		9,600	

Specifications		units	JH21-160		JH21-200		JH21-250		JH21-315		JH21-400	
Type			S	H	S	H	S	H	S	H	S	H
Capacity	KN		1,600		2,000		2,500		3,150		4,000	
Rated tonnage point	mm		6		6		7		7		8	
Stroke	mm		130	200	150	220	160	220	160	220	180	250
Speed	Fixed	spm	60	45	50	45	45	30	45	30	40	30
	Variable	spm	35-70	30-55	35-65	30-55	30-55	20-35	30-55	20-35	30-50	20-35
Shut Height (SDAU)	mm		435	400	485	450	530	500	530	500	585	550
Slide Adjustment	mm		100		110		120		120		120	
Throat Depth	mm		400		430		450		450		490	
Slide Area	LxR	mm	700		880		950		950		1,020	
	FxB	mm	580		650		700		700		750	
Slide hole diameter	mm		70		70		70		70		70	
Bed Area	LxR	mm	1,175		1,390		1,500		1,540		1,700	
	FxB	mm	760		840		880		880		950	
Bed hole diameter	mm		220		240		260		260		280	
Bed thickness	mm		165		180		190		190		210	
Bed height from floor	mm		900		1,000		1,000		1,000		1,100	
Overall Dimensions	F-B	mm	2,300		2,600		2,700		2,750		2,850	
	L-R	mm	1,450		1,600		1,700		1,700		1,750	
	H	mm	3,600		4,300		4,300		4,300		4,500	
Motor Power	Kw		15.0		18.5		22.0		30.0		37.0	
Weight	Kg		13,700		19,200		23,300		26,700		29,500	

T.M.A. presses New Press Sales

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