



NISHIDA SEIKI CO.,LTD.

High-Speed, Hi-Performance Transfer Press (Customizable)

Digital Transfer Press

NST Series

1000~6000kN (100~600tons)



Well adopted to the needs of new era for High-Performance, High-Precision processing. Machine frame is designed to attain high rigidity as well as low processing noise.

Feature

01

Crank, Column and Machine Bed having steel plate welded structure are combined with Tie Rod. Thus realized utmost rigidity of frame and driving mechanism. The Transfer Press enables to apply to the requirement of new era.

Feature

02

Setting arbitrary values of sliding speed and motion enables to fit the processing requirement completely.

Feature

03

Bolster area is able to have customized design to fit to process layout. Possible to set up highly flexible numbers of die stage and stage pitch.

Feature

04

Servo transfer unit selectable between 2D and 3D, performs High-Speed and High-Performance processing.

Feature

05

Zigzag path Straightner Feeder and Double-head Uncoiler are standard design which enables to perform easy process preparation of total system.



Feature

06

CNC Control System enables each unit to synchronize slide motion perfectly. Set up adjustment values of Die Height and Die Cushion Pressure is also possible.



Feature

07

Attaining to utmost limit of work load. Ultra-Deep Drawing is also available.

Limit of work load High torque/ High Energy
39kJ at **25spm**

Remarkable prolongation of Die Life.

Feature

08

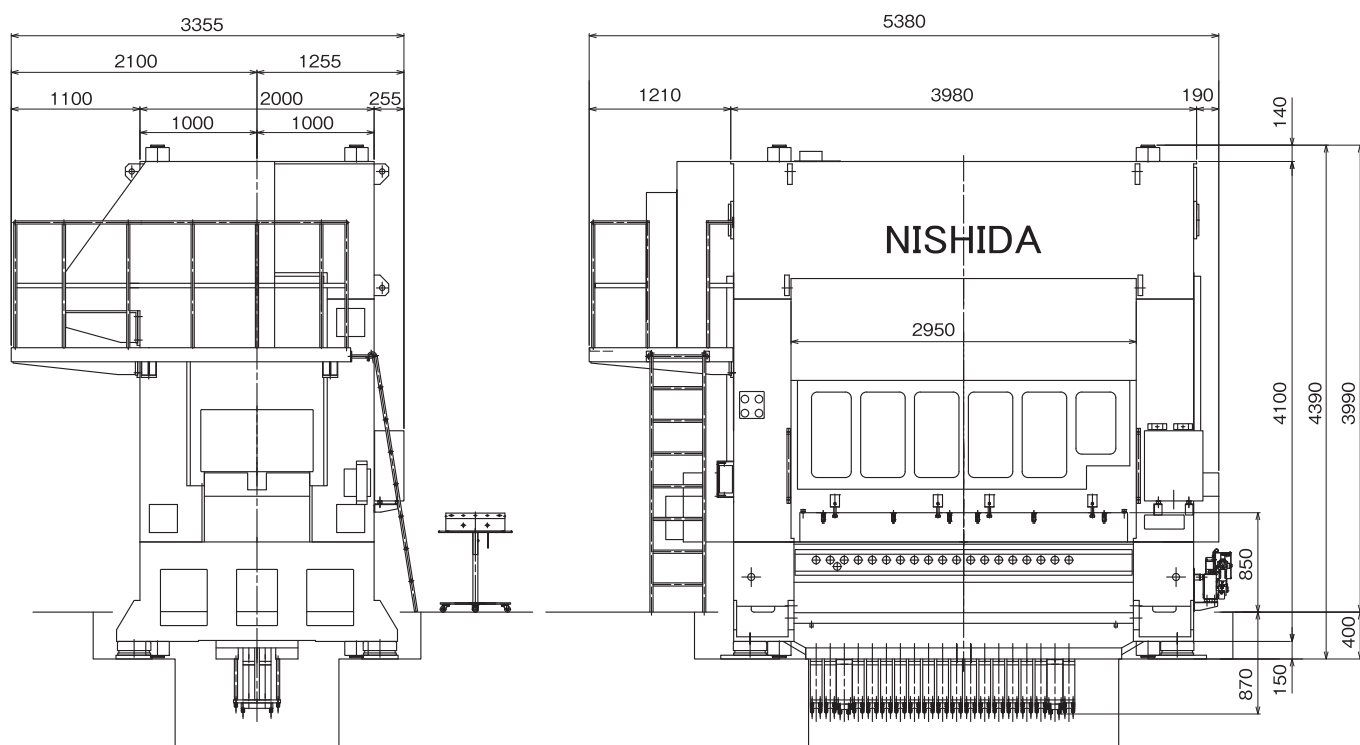
Press driving mechanism is designed to pursue energy saving with inverter motor or servo motor incorporated with power source regenerative function. Realizes high energy saving effect.

Feature

09

Each unit composing the system is incorporated with various interlocks which promise high level safety. (Conforming to EU standards)

■NST-3000 The dimensional drawing are those for reference only.



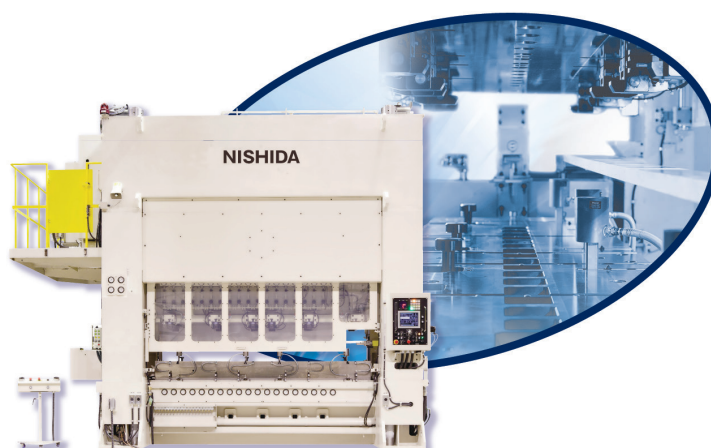
■NST-3000 The main specification are those for reference only.

Press Machine	
Machine Structure style	Straight side frame and double crank style
Maximum Pressure capacity	3000kN (5mm, 13mm upper from BCD)
Stroke length	300mm
Number of strokes	25 to 50 spm
Die height	550mm
Number of stage	22
Stage pitch	120mm
Bolster area	LR2800mm×FB600mm
Slide adjust	100mm
Main motor	30kw×4P (Inverter control)

Die Cushion Device	
Device style	Air cylinder type
Capacity	50, 25kN (Nomal pressure type • Individual adjustable formula manual switching)
Stroke length	160mm

Slide Knockout Device	
Device style	Air cylinder type
Capacity	5kN
Stroke length	90mm

Transfer Device	
Driving style	Servo drive
Feed stroke	~120mm
Cramp stroke	~120mm (one side)
Inside width of feed bar	200mm ~ (at cramp timing)
Feed level	275mm (Height of feed bar surface on bolster surface)
Feed bar measurement	Width 75mm × Height 30mm
Feed direction	Right ⇒ Left



The above specifications are those for reference only.
Actual specifications can be set up based on customers' requests individually.
We are pleased to receive such inquiries from customers.

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Pioneer of Press Automation
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