



NISHIDA SEIKI CO.,LTD.

Innovating transfer processing, and open up the new era of press forming



Digital Transfer Press

NDT Series

450~1000kN (45~100tons)

Basic machine of next generation press processing which expanded application and pursued high productivity & energy conservation



Feature

01

The unprecedented smooth system action was realized by "Full Synchronized Control System" which complete synchronized to slide motion of press machine.

Feature

02

Possible to select conveyance method either 6 axis servo control or Mechanical. Numbers of stroke can be set up to 200spm.

Feature

03

NDT is the series of 450 to 1000kN pressure. The main machine has high rigidity welded structure. Slide guide has 8 sliding faces. Designed to be durable against eccentric load.

Feature

04

Possible to select either 2D or 3D for servo transfer unit.



Feature

05

Memory of the motion data is possible to 200 kinds setting motion.

Feature

06

As for press machine driving resource, energy conservation is pursued, it's having specifications inverter motor which is exhibited regenerative function or servo motor. It is realized energy conservation by electric storage and discharge of regenerative power.

Feature

07

This system is the tool holder type which is setting 15 to 20 stages in processing stage. The shank for die setting and adjustment mechanism of die holder are exhibited in each stage. And die cushion device and slide knockout device are exhibited in necessary processing stage.

Feature

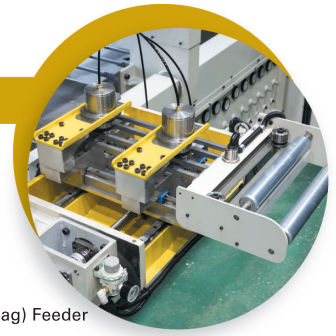
08

It is adopting the order maid method that is full fitting to customers. In the case, die is not independence construction type and is total construction type, it's prepared machine type setting Q.D.C (Quick Die Change) for total construction die which is adopted together slide adjust system.

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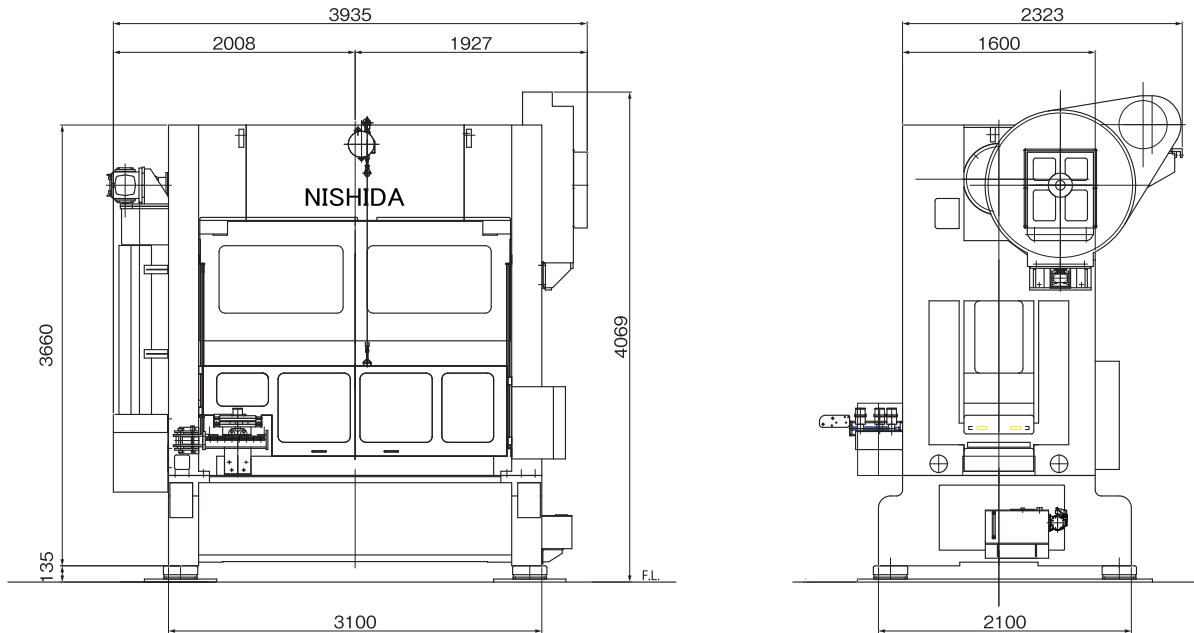
Full synchronized control system

The action of transfer device for conveyance, stagger (zigzag) feeder & pusher device for material supply are complete controlled with the signal from encoder which was attached to eccentric driving shaft of press machine. And, the action of each system device is set up that is able to do synchronized complete to the slide motion of press machine. The unprecedented smooth system action was materialized by "Full Synchronized Control System" that has advanced function.



Stagger (zigzag) Feeder

■NDT-1000 The dimensional drawing are those for reference only.



■NDT-1000 The main specification are those for reference only.

Press Machine	
Machine structure style	Straight side frame Double crank style
Maximum press capacity	1000kN (5mm upper from BCD)
Stroke length	190mm
Number of strokes	Max 100spm
Die height	450mm
Number of Stage	16
Maximum capacity of each stage	200kN
Stage pitch	130mm
Bolsta area	LR2300mm × FB600mm
Stage shank diameter	φ50mm H7
Stage (Die holder) adjust	30mm
Main motor	37kw × 4P

Transfer Device	
Drive style	Servo drive or Mecanical (Possible to select)
Feed stroke	~130mm
Cramp stroke	~70mm (one side)
Inside width of feed bar	200mm ~ (at cramp timing)
Feed level	247mm (Height of feed bar surface on bolster surface)
Feed bar measurement	Width 80mm × Height 25mm
Feed direction	Left ⇒ Right

Die Cushion Device (Reference : installs in No.3~No.16 stages)	
Dvice style	Air cylinder type
Capacity	Double cylinder type 15kN Single cylinder type 12kN
Stroke length	70mm

Slide Knockout Device (Installs in No.3~No.16 stages)	
Device style	Air cylinder type
Capacity	12kN
Stroke length	70mm

Stagger (zigzag) Feeder	
Device style	Servo drive
Material width	Max 240mm
Stagger (zigzag) line	Max 5 line Automatic Operation

**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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