



NISHIDA SEIKI CO.,LTD.

Realization of transfer processing system by computer control



Digital Transfer Press

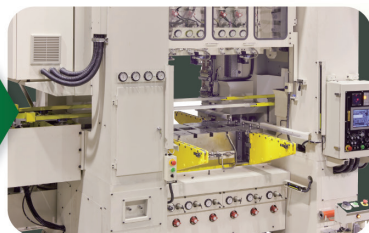
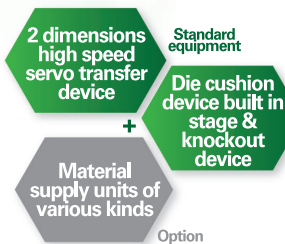
NSDT Series

2000~4000kN (200~400tons)

The series are press processing systems exclusive for deep drawing applications such as Motor Case, Battery Case.

Specification for high grade function system

Feature 01 All behaviors of Slider, Conveyance transfer unit, Zigzag gripper of material supply and pusher unit are controlled by integrated management system. Each unit moves smoothly in synchronization with the slide motion.

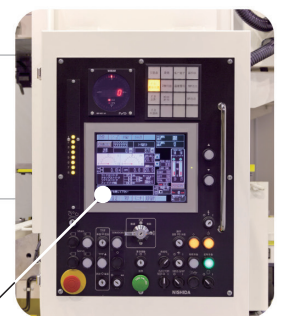


Control specification of complete synchronization

Feature 03 Press machine is driven by inverter motor, and transfer device is driven by servo motor while "the ecology" is pursued. High energy saving effect is realized by incorporated regenerative function of power supply.

Realization of complete synchronous control on full closed control.

The touch panel type operation board that esteemed operability and function ability



High level stiffness machine structure specification

Feature 02 High durability against mechanical load as well as eccentric load based on highly rigid gibs structure aiming at high speed and high precision processing.

Limit of work load High torque/ High Energy
45kJ at **25spm**

Sharp improvement of die life

High quality safety performance

Feature 04 Each unit composing the system is incorporated with various interlocks which promises high level safety. (Conforming to EU standards)

Realization of high level safety performance that conformed to **EU standards**

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.

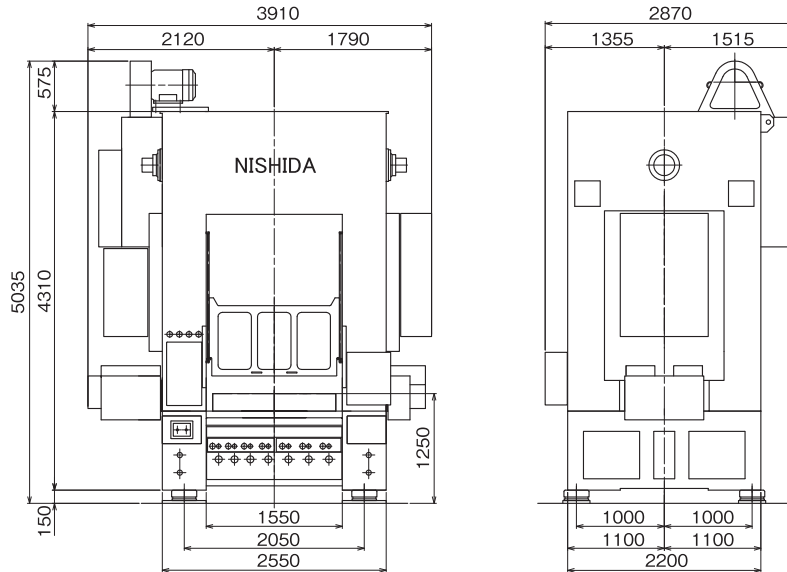
And, the action of each system device is set up that is able to do synchronize complete to the slide motion of press machine.

The unprecedented smooth system action was materialized by "Full Synchronized Control System" that has advanced function.



Driving unit

■NSDT-2500 The dimensional drawing are those for reference only.



■NSDT-2500 The main specification are those for reference only.

Press Machine	
Machine Structure style	Straight side frame and double crank style
Maximum Pressure capacity	2500kN (5mm upper from BCD)
Stroke length	300mm
Number of strokes	Max 40spm
Die height	300mm
Number of stage	7
Stage pitch	180mm
Bolster area	LR1400mm×FB650mm
Slide adjust	80mm
Main motor	30kw×4P

Transfer Device	
Driving style	Servo drive
Feed stroke	~180mm
Cramp stroke	~120mm (one side)
Inside width of feed bar	280mm ~ (at cramp timing)
Feed level	305mm (Height of feed bar surface on bolster surface)
Feed bar measurement	Width 70mm × Height 30mm
Feed direction	Right ⇒ Left

Die Cushion Device (Reference : install in No.1~No.7 stages)	
Device style	Air cylinder type
Capacity	5tf
Stroke length	160mm

Slide Knockout Device (Install in No.1~No.7 stages)	
Device style	Air cylinder type
Capacity	2tf
Stroke length	80mm



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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