

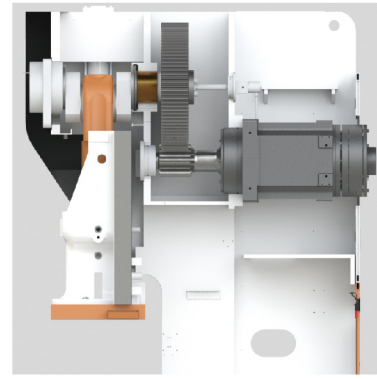
SDN1 SERIES

C Frame Direct-Drive Servo Press



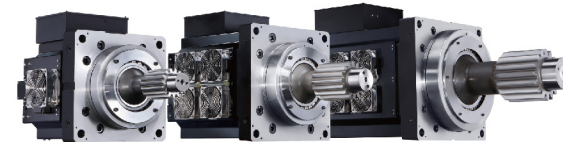
Direct-Drive Transmission

- The servo motor integrates the pinion shaft directly into the motor.
- More efficient than using intermediate speed reducer.



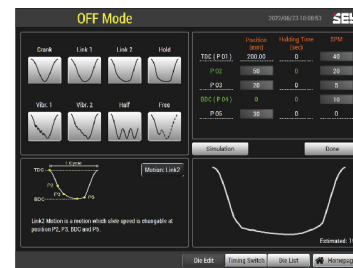
Servo Motor

- Newly designed motor with compact size.
- World-class servo motor controller
- High torque, low RPM motor
- Increased power savings
- Fan cooling



Easy-to-use Interface

- 200 job recipe storage
- Improves efficiency when changing die, increasing productivity.
- Inputs actual SPM value to program motion profiles.



Other Features

Electronic Overload Protection

- Automatically detects tonnage overload to protect the die and press.
- Monitors the peak stamping tonnage.

Swing Arm Mounted HMI

Allows operator to turn HMI to desired position.

T Stand with Handy Pulser Wheel

- Easily adjusts the parameters of the slide position for special adjustment or maintenance.
- Optimizes tooling setup and equipment integration.

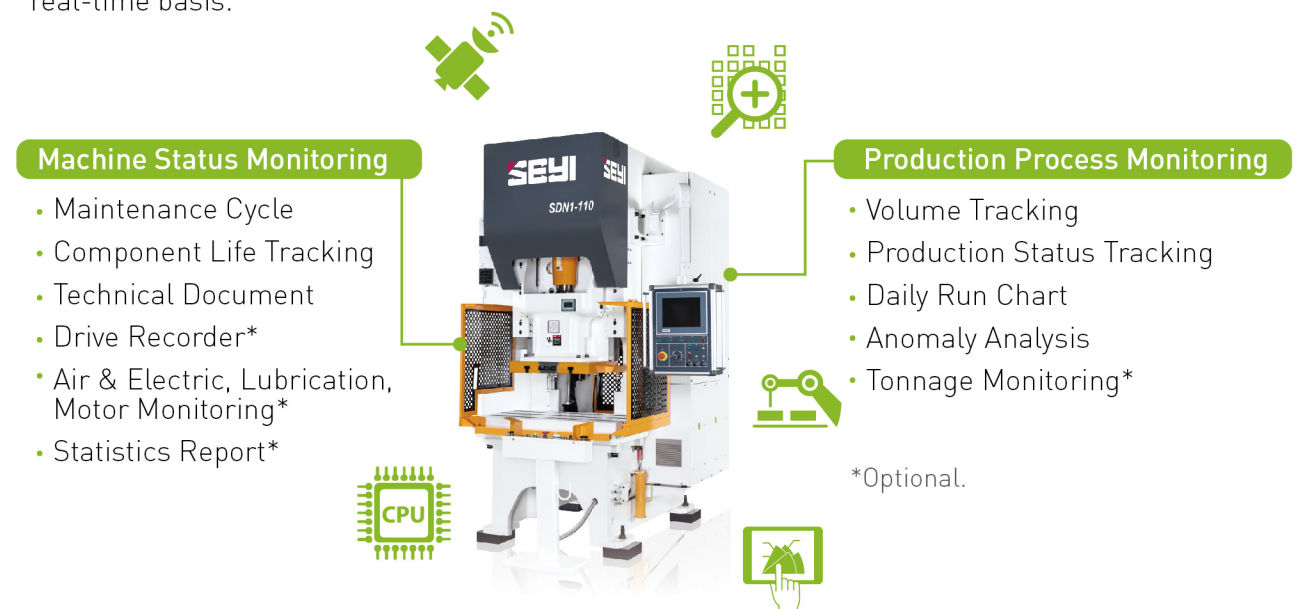
Built-in Power Management System

- Power Leveling: Stabilizing the supply voltage via Power Unit.
- Power Regeneration by Servo System: By using capacitors, some mechanical energy can be reused during work time.
- Pre-installed Power Consumption Calculator



Smart Stamping Solution (SIMS)

SEYI's smart stamping solution, "SIMS," helps customers make decisions on production management via information visualization. By collecting data from various sensors, the status can be shown on a real-time basis.



Specification

- ※ These specifications are subject to change without notice.
- ※ For special requirements, please contact your local supplier.
- ※ The machine appearance may vary due to different requirements.

Model		SDN1-80	SDN1-110	SDN1-160	SDN1-200	SDN1-250
Capacity	kN	800	1100	1600	2000	2500
Stroke Length	mm	160	180	200	250	300
Strokes per Minute	SPM	~ 80	~ 70	~ 60	~ 50	~ 40
Tonnage Rating Point	mm	5	5	5.5	6	6.5
Die Height	mm	320	350	400	450	540
Slide Adjustment	mm	80	90	100	110	120
Slide Area (LR x FB)	mm	560 x 460	650 x 520	720 x 580	880 x 650	1100 x 730
Bolster Area (LR x FB)	mm	1050 x 600	1150 x 680	1250 x 760	1470 x 840	1750 x 900
Bolster Thickness	mm	140	155	165	180	180
Bolster Height (w/o Mounts)	mm	900	900	900	1000	1100
Frame-Inside Distance	mm	510	550	620	800	1115
Throat Depth	mm	310	350	390	430	470
Max. Upper Die Weight	kg	275	385	485	1000	1300
Required Air Pressure	MPa	0.5	0.5	0.5	0.5	0.5

Standard Features

- Servo System
- Safety Brake System
- Electrical Overload Protection
- Tonnage Monitor
- Programmable Motion Profiles
- 200 Job Recipe Storage
- Die Height Adjustment
- Slide Position Adjustment (Handy Pulser)
- Portable Operation Stand
- Die Protection (Misfeed) Socket
- Programmable Limit Switch (PLS)
- Pneumatic Ejector
- Safety Light Curtain
- Oil Lubrication System
- Total/Preset/Batch/Maintenance Counter
- Anti Vibration Mounts
- Safety Block
- Tool Box

Optional Features

- Pneumatic Die Cushion
- Hydraulic Die Cushion
- Servo Die Cushion
- Quick Die Change System
- Automatic Counter Balance Pressure Adjustment
- Automatic Slide Adjustment
- Lamp Socket
- Die Lamp
- Side Guard
- Rear Safety Guard
- Full Stroke Tonnage Monitoring
- Smart Stamping Solution (SIMS)

※ Machines can be customized to meet specific requirements.



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