



## Introducing the new GS2 Servo Press Series.

With capacity ranging from 3150-8000 kN (355-900 U.S. tons), the Minster Global Servo Press (GS2) Series offers proven servo technology, performance, and flexibility.

The GS2 was designed in collaboration with Nidec Press & Automation's global technology resources, which represents nearly 400 years of combined metal forming experience.

Assembled at Nidec Minster's world headquarters in Minster, Ohio, the GS2 is built with the same rugged characteristics, combined with the performance and technology that Minster customers have come to know.

With an aggressive stock program and global manufacturing synergies within Nidec Press & Automation, Nidec Minster is able to offer GS2 presses with competitive pricing and short term delivery anywhere in the world.

### Key Features:

- Precision kinematics enables quicker system response and higher production rates.
- Eccentric wheels with double helical gearing for smooth operation, increased power transmission and higher durability.
- Desch Planetary Gearbox reduces the drive train inertia for quicker acceleration and faster stopping times.
- Minster proven robust design insures years of trouble free operation and lowest overall cost of ownership.
- Siemens full energy management system provides maximum energy efficiency and lowest power cost per part.
- Zero clearance slide guiding improves die set up and operation.

**Nidec**  
PRESS & AUTOMATION

**MINSTER**

[sales@nidecpa.com](mailto:sales@nidecpa.com) | [www.nidecpa.com](http://www.nidecpa.com)

## GS2-400 SERIES SPECIFICATIONS & DIMENSIONS

SPECIFICATIONS	METRIC	ENGLISH
Capacity	4000 kN	450 US tons
Rating off Bottom	6 mm	0.24 in
<b>FRAME SPECIFICATIONS</b>		
Bed & Slide, R-L	3050 mm	120 in
Bed & Slide, F-B	1400 mm	55 in
Shutheight on Bolster (SDAU)	700 mm	27.6 in
Bolster Thickness	190 mm	7.5 in
Side Window Opening	1400 mm	55 in
Weight (kg / lbs)	82,000 kg	180,780 lbs
<b>STROKE &amp; SPEED SPECIFICATIONS</b>		
Stroke	350 mm	13.8 in
Speed Continuous (Reduced Rating)	53 SPM	
Speed Pendulum 150 mm (5.9 in)*	70 SPM	
Speed Pendulum 125 mm (4.9in)*	80 SPM	
Speed Pendulum 100 mm (3.9 in)*	85 SPM	
Speed Pendulum 80 mm (3.1 in)*	90 SPM	
Slide Adjustment	250 mm	9.8 in
Max Upper Die Weight	6,000 kg	13,200 lbs
<b>CONTROL SPECIFICATIONS</b>		
Servo Motor and Drive Platform	Siemens	
Energy Management System	Full	
Servo Power Infeed	120 kW	160 HP
Energy (@40 SPM)	75 kJ	331 In-Tons

\* Stroke rate depends on profile of stroke and press mechanical properties.

### Standard Features:

- Recirculating oil lubrication
- Electronic tool storage
- Hydraulic overload
- Fixed bolster
- 16 pole programmable limit switch
- Automatic counterbalance control
- Electronic shutheight control
- Powered die doors (front & rear)
- Front light curtains
- Liquid cooled motor
- Temperature monitoring
- Precision roller guided slide
- Mounting pads - RH and LH end

### Optional Features (Included):

- Press isolation mounts
- 4 channel tonnage monitor + HOL Adj Valve
- 16 point die protection
- Automatic shutheight adjustment
- Die area lights