



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

GS2-630 SERIES SPECIFICATIONS & DIMENSIONS

| SPECIFICATIONS | METRIC | ENGLISH |
|--|------------|-------------|
| Capacity | 6300 kN | 705 US tons |
| Rating off Bottom | 6 mm | 0.24 in |
| FRAME SPECIFICATIONS | | |
| Bed & Slide, R-L | 3650 mm | 143 in |
| Bed & Slide, F-B | 1500 mm | 59 in |
| Shutheight on Bolster (SDAU) | 800 mm | 31.5 in |
| Bolster Thickness | 190 mm | 7.5 in |
| Side Window Opening | 1500 mm | 59 in |
| Weight (kg / lbs) | 168,000 kg | 370,375 lbs |
| STROKE & SPEED SPECIFICATIONS | | |
| Stroke | 400 mm | 15.7 in |
| Speed Continuous (Reduced Rating) | 55 SPM | |
| Speed Pendulum 150 mm (5.9 in)* | 75 SPM | |
| Speed Pendulum 125 mm (4.9 in)* | 80 SPM | |
| Speed Pendulum 100 mm (3.9 in)* | 90 SPM | |
| Speed Pendulum 80 mm (3.1 in)* | 95 SPM | |
| Slide Adjustment | 300 mm | 11.8 in |
| Max Upper Die Weight | 7,000 kg | 15,430 lbs |
| CONTROL SPECIFICATIONS | | |
| Servo Motor and Drive Platform | Siemens | |
| Energy Management System | Full | |
| Servo Power Infeed | 160 kW | 215 HP |
| Energy (@40 SPM) | 100 kJ | 441 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