

Nidec
PRESS & AUTOMATION

ARISA



GS2 SERIES

SERVO PRESS

Introducing the new GS2 Servo Press Series.

With capacity ranging from 3150-8000 kN, the GS2 Servo Press Series offers proven servo technology, performance and flexibility found in the full portfolio offering from Nidec Arisa. A trusted brand in the global metalforming industry, and one of the earliest innovators with servo technology Nidec Arisa has a demonstrated history and installation base on five continents. Metalformers around the world have come to rely on the precise and highly engineered turn-key systems from Nidec Arisa for consistent pressroom results.

GS2 Series Servo Presses enable you to respond quicker to business needs and industry trends through reduced lead times and competitive pricing.

Take advantage of the additional benefits available through Nidec Press & Automation. Select from global manufacturing locations, customized technical service support, and our full portfolio of OEM integrated solutions enabling you to complete your pressroom need with one OEM integrated source. With teams on six continents and installations in more than 90 countries, we invite you to learn about the newest addition to our product offering and how our support can align to meet your business goals.

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.
- Arisa 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.

| | GS2-315 SERIES | | GS2-400 SERIES | | GS2-630 SERIES | | | GS2-800 SERIES | | |
|--|---|--------------------------|---|--------------------------|---|---------------------------|---------------------------|---|-------------------|-------------------|
| SPECIFICATIONS | | | | | | | | | | |
| Capacity | 3150 kN 355 US tons | | 4000 kN 450 US tons | | 6300 kN 710 US tons | | | 8000 kN 900 US tons | | |
| FRAME SPECIFICATIONS | | | | | | | | | | |
| Bed & Slide, R-L | 2550 mm 100 in | 3050 mm 120 in | 3050 mm 120 in | 3650 mm 143 in | 3050 mm 120 in | 3650 mm 143 in | 4250 mm 167 in | 3650 mm 143 in | 4250 mm 167 in | 4850 mm 191 in |
| Bed & Slide, F-B | 1200 mm 47 in | | 1400 mm 55 in | | 1500 mm 59 in | | | 1800 mm 71 in | | |
| Shutheight on Bolster (SDAU) | 600 - 650 - 700 mm 23.6 - 25.6 - 27.6 in | | 650 - 700 - 750 mm 25.6 - 27.6 - 29.5 in | | 750 - 800 - 850 mm 29.5 - 31.5 - 33.5 in | | | 800 - 850 - 900 mm 31.5 - 33.5 - 35.4 in | | |
| Bolster Thickness | 190 mm 7.5 in | | 190 mm 7.5 in | | 190 mm 7.5 in | | | 235 mm 9.3 in | | |
| Side Window Opening | 1200 mm 47 in | | 1400 mm 55 in | | 1500 mm 59 in | | | 1800 mm 71 in | | |
| Weight (kg / lbs) | 53,000 kg 116,845 lbs | 60,000 kg 132,280 lbs | 82,000 kg 180,780 lbs | 93,000 kg 204,600 lbs | 149,000 kg 327,800 lbs | 168,000 kg 370,375 lbs | 188,000 kg 413,600 lbs | TBD | TBD | TBD |
| STROKE & SPEED SPECIFICATIONS | | | | | | | | | | |
| Stroke | 250 - 300 mm 9.8 - 11.8 in | | 250 - 300 - 350 mm 9.8 - 11.8 - 13.8 in | | 350 - 400 - 450 mm 13.8 - 15.7 - 17.7 in | | | 400 - 450 mm 15.7 - 17.7 in | | |
| Speed Continuous (Reduced Rating) | 71 SPM | | 53 SPM | | 55 SPM | | | 45 SPM | | |
| Speed Pendulum 150 mm (5.9 in)* | 80 SPM | | 70 SPM | | 75 SPM | | | 65 SPM | | |
| Speed Pendulum 125 mm (4.9in)* | 90 SPM | | 80 SPM | | 80 SPM | | | 70 SPM | | |
| Speed Pendulum 100 mm (3.9 in)* | 95 SPM | | 85 SPM | | 90 SPM | | | 80 SPM | | |
| Speed Pendulum 80 mm (3.1 in)* | 105 SPM | | 90 SPM | | 95 SPM | | | 85 SPM | | |
| Slide Adjustment | 200 mm 7.8 in | | 250 mm 9.8 in | | 300 mm 11.8 in | | | 300 mm 11.8 in | | |
| Max Upper Die Weight | 3,000 kg 6,615 lbs | | 6,000 kg 13,200 lbs | | 7,000 kg 15,430 lbs | | | 10,000 kg 22,045 lbs | | |
| CONTROL SPECIFICATIONS | | | | | | | | | | |
| Servo Motor and Drive Platform | Siemens | | Siemens | | Siemens | | | Siemens | | |
| Energy Management System | Full | | Full | | Full | | | Full | | |
| Servo Power Infeed | 80 kW 107 HP | | 120 kW 160 HP | | 160 kW 215 HP | | | 235 kW 315 HP | | |
| Energy (@40 SPM) | 50 kJ 221 In-Tons | | 75 kJ 331 In-Tons | | 100 kJ 441 In-Tons | | | 200 kJ 883 In-Tons | | |

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



One Brand: A World of Resources

A single source solution that will help you find the efficiencies you want — all from the products, services and technology of Nidec Press & Automation.

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