



Tomorrow is changed forever.

Nidec Minster is proud to bring you the first Electrical Vehicle Lamination press that accurately accommodates material down to 0.20mm thick.

We're Innovating Thin

Our presses are designed for materials specific to the EV market and are capable of pressing parts less than half of industry's standard thickness. Nidec Minster's Electrical Vehicle Lamination presses achieve superior part quality, longer tool life and increased operational efficiency.

Unparalleled EV Press Engineering and Support

The EV series presses are made specifically for your electrical vehicle needs and come with the support of a global supply chain partner, whenever and wherever business takes you.

Nidec
MINSTER

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EV PRESS SPECIFICATIONS & DIMENSIONS

	EV-250		EV-350		EV-450	
Drive Type	Flywheel Drive		Flywheel Drive		Flywheel Drive	
Tons Capacity	250 @ .06 in off bottom 2225 kN @ 1,6mm		350 @ .06 in off bottom 3100 kN @ 1,6mm		450 @ .06 in off bottom 4000 kN @ 1,6mm	
Slide Stroke vs. Speed	Stroke	Max. Speed	Stroke	Max. Speed	Stroke	Max. Speed
	1.18 in 30 mm	250 spm	1.18 in 30 mm	250 spm	1.18 in 30 mm	250 spm
	1.38 in 35 mm	250 spm	1.38 in 35 mm	250 spm	1.38 in 35 mm	225 spm
	1.57 in 40 mm	225 spm	1.57 in 40 mm	225 spm	1.57 in 40 mm	200 spm
Quick Access Slide Travel	2.95 in ~ 75 mm		2.95 in ~ 75 mm		2.95 in ~ 75 mm	
Upright Opening	27.6 in ~ 700 mm		27.6 in ~ 700 mm		41.5 in ~ 1054 mm	
Area of Bolster and Slide (R-L x F-B)	145.7 in x 47.4 in 3700 x 1205 mm		145.7 in x 47.4 in 3700 x 1205 mm		145.7 in x 55 in 3700 x 1400 mm	
Opening in Bed (R-L x F-B)	136.5 in x 15 in 3467 x 381 mm		136.5 in x 19.7 in 3467 x 500 mm		136.5 in x 20.5 in 3467 x 520 mm	
Max. Upper Die Weight	5400 lbs ~ 2450 kg		7500 lbs ~ 3400 kg		8800 lbs ~ 4000 kg	
Shutheight Range on Bolster (S.D.A.U.)	21.65 in ~ 550 mm		23.62 in ~ 600 mm		26.57 in ~ 675 mm	
Shutheight Adjustment	6.89 in ~ 175 mm		6.89 in ~ 175 mm		7.87 in ~ 200 mm	
Bolster Thickness	7.09 in ~ 180 mm		7.87 in ~ 200 mm		7.87 in ~ 200 mm	
Overall Height (with Mounts)	218.5 in ~ 5550 mm		226.5 in ~ 5753 mm		245 in ~ 6223 mm	
Floor Space	193 in x 91.3 in 4902 x 2320 mm		193 in x 91.3 in 4902 x 2320 mm		207 in x 141 in 5260 x 3580 mm	
Approximate Weight	185,000 lbs 83,920 kg		195,000 lbs 88,450 kg		330,000 lbs 149,700 kg	

Key Features:

- Extremely wide beds to accommodate longer dies of the EV market
- Hydrostatic/Hydrodynamic slide guiding for significantly tighter punch-to-die clearances
- Monitoring systems with real-time feedback from gib pressures and vibration levels.
- Push/Pull feed solution to allow thin material
- Thicknesses from 0.50 mm to 0.20 mm

