

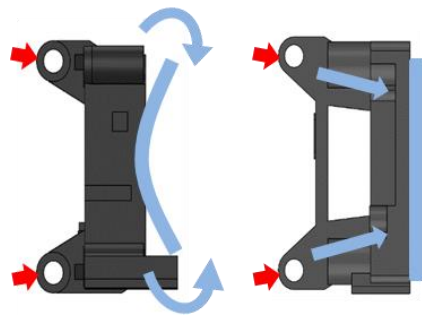
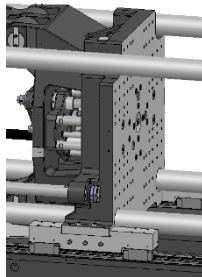
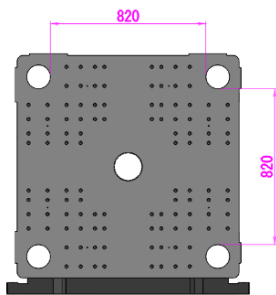


- New model with high precision and rigidity
- Shorter cycle and preparation time for better productivity
- 15" Display with Niigata Hiper Navi (NHN) for improved operability

1. Enhanced Clamping System

- New larger mold size
- Downsizing machine is possible

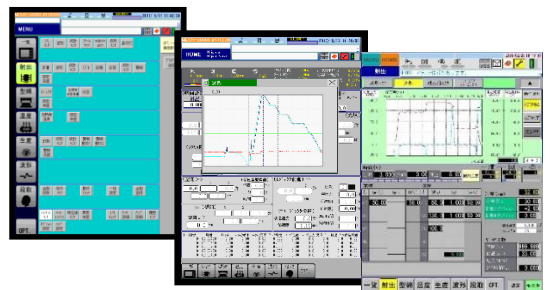
- Larger tie bar distance
 - Tie bar distance: 32.28" x 32.28"
- Larger die height
 - Die height (min./max.): 12.60" /31.89"
 - Various clamp system possible
- New toggle system
 - 28.54" mold open stroke; industry No. 1
 - Faster mold open/close speed
- Linear guides under moving platen
 - Smoother motion with linear guides
 - Parallelism maintained by wider support; prevents worn-out of guide pin.
 - High sensitivity of low pressure mold protection maintained by low friction
- High rigid moving platen
 - Even distribution of clamp force by RST design
 - Center press structure

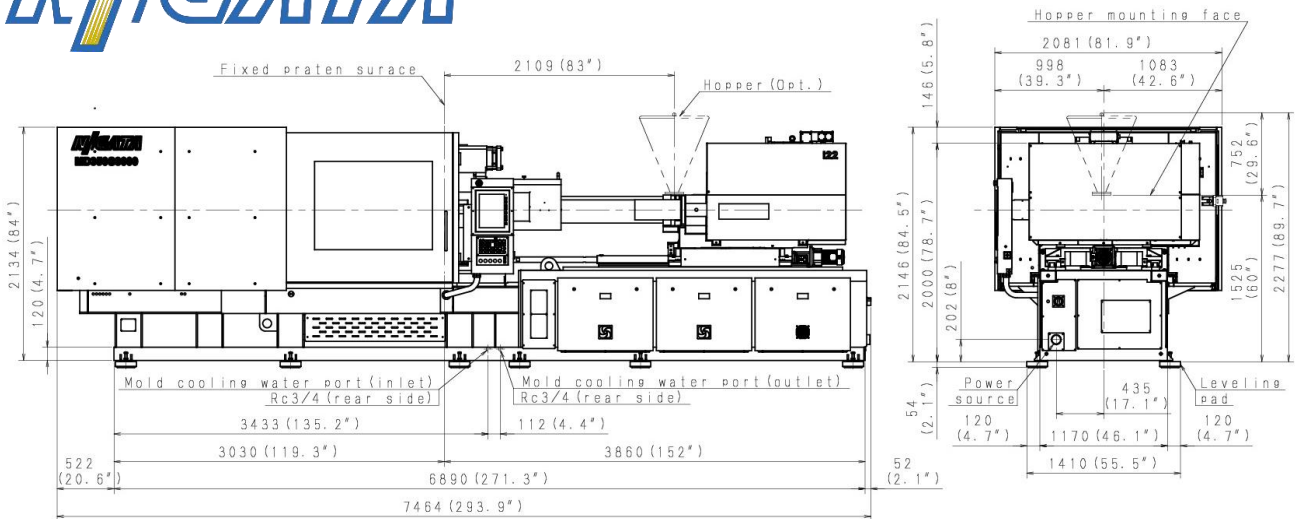


2. Improved productivity & operability

- Shorter cycle
- Better operability

- Preceded clamp force reduction
 - Mold open before cooling completed
 - Shortened cycle
 - Shock-less mold open
 - Gas release
- 15" Display
 - Molding conditions and monitor
 - Multiple waveforms display to reduce switching





Item		Unit	MD3858000			
Clamping Unit	Clamping System	-	Double Toggle			
	Clamping Force	kN (US ton)	3500 (393)			
	Tie Bar Distance (H x V)	mm (in)	820 x 820 (32.28 x 32.28)			
	Platen Size (H x V)	mm (in)	1170 x 1170 (46.06 x 46.06)			
	Mold Open Stroke	mm (in)	725 (28.54)			
	Mold Height (Min./Max.)	mm (in)	320/810 (12.60/31.89)			
	Open Daylight	mm (in)	1535 (60.43)			
	Ejector Stroke	mm (in)	160 (6.30)			
	Ejector Force	kN (US ton)	60 (6.74)			
Injection Unit	LP Specification	Injection Capacity	-	i22LP		
		Screw Complete	Type	-	A	B
			Diameter	mm (in)	68 (2.68)	76 (2.99)
		Injection Stroke	mm (in)	305 (12.01)		
		Calculated Injection Volume	cm ³ (in ³)	1108 (67.61)	1384 (84.46)	
		Calculated Injection Capacity (PS)	g (oz)	1019 (35.94)	1273 (44.90)	
		Max. Injection Pressure	MPa (psi)	200 (29010)	160 (23210)	
		Max. Hold Pressure	MPa (psi)	180 (26110)	145 (21030)	
		Max. Injection Speed	mm/s (in/s)	160 (6.30)		
		Injection Rate	cm ³ /s (in ³ /s)	581 (35.45)	726 (44.30)	
		Screw Rotation Speed	min ⁻¹	240		
		Plasticizing Capacity (PS)	kg/h (oz/s)	252 (2.47)	315 (3.09)	
		Nozzle Stroke	mm (in)	570 (22.44)		
		Nozzle Touch Force	kN (US ton)	34/23.8 (3.82/2.67)		
		Temperature Control	Nozzle/Heating Cylinder	-	1G + 2 + 1G	
		Zones	Hopper Base	-	1	
Heater Capacity		kW	25.06			

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