

Company
会社概要

Product
製品紹介

- Machine Tools
- Plastic Injection

Sales
営業拠点

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Product 製品紹介

Plastic Injection

NIIGATA MACHINE TECHNO

plastic injection TOP

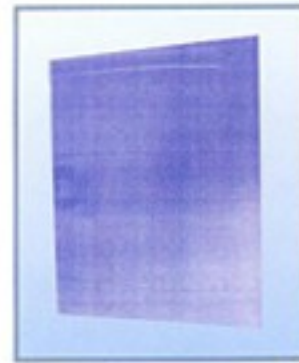
MDS - IV AP

This high-precision and high-response, high-potential machine is equipped with the advanced injection compression mechanism/ Quick-Servo Press, and exclusively designed screw for optics.

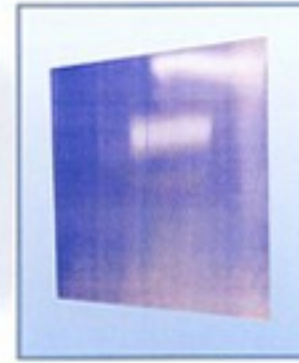


- Plasticizing performance**
- Q-DVP control (injection quick deceleration/quick pressure reduction control)
 - Screw complete exclusively designed for optics (special design)
- Clamping performance**
- High-stiffness, high-precision clamping mechanism (with injection press specifications)
 - Quick-Servo Press mechanism (high-response injection compression mechanism manufactured exclusively for light guide plate)
- Injection compression mode: Compression force control (1 kN)
 - Injection press mode: Clamp opening control (0.01 mm)
 - Control timer setting: 0.01 s

Examples of molding

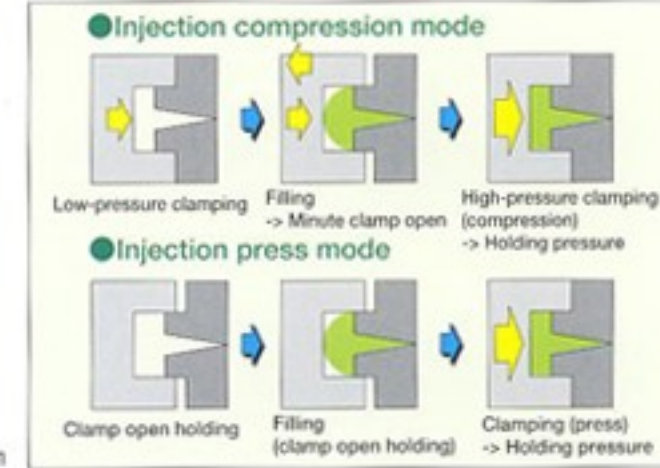


Light guide plate for 14.1" notebook PC
Plate thickness 2.0-0.6 mm with dot pattern



Light guide plate for 17" monitor
Plate thickness 8 mm with prism pattern

○Quick-Servo Press mechanism



Items	Unit	MD450S-IV AP				MD650S-IV AP					
		i 10		i 22		i 32		i 32		i 55	
Injection Capacity	T·m										
Screw Type		A	B	A	B	A	B	A	B	A	B
Screw Diameter	mm	52	60	68	76	76	82	76	82	90	100
Shot Mass(PS)	g	562	748	1221	1526	752	2038	1752	2038	3160	3904
Max. Injection Pressure	MPa	200	150	200	160	200	170	200	170	190	155
Max. Holding Pressure	MPa	180	135	180	145	180	155	180	155	170	140
Max. Injection Speed	mm/s	300		200		160		160		150	
Plasticizing Capacity (PS)	kg/h	151	206	252	294	256	299	256	299	309	327
Clamping Force	kN	4500				6370					
Tie-bar Distance(H x V)	mm	810 x 810				950 x 950					
Mold Opening Stroke	mm	800				1000					
Mold Height (min./max.)	mm	380 / 750				400 / 1040					

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