

Company
会社概要

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- Machine Tools
- Plastic Injection

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Product 製品紹介

Plastic Injection

NIIGATA MACHINE TECHNO

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MDS - IV HP

This high-performance machine enhances all of the injection, plasticizing and clamping capabilities to ensure high performance and high precision.

Injection performance

- Injection speed: 500 mm/s
- Acceleration response: 24 ms (0 -> 300 mm/s)
- Injection Q-DVP control (injection quick deceleration/quick pressure reduction control)

Clamping performance

- Die stiffness increased 50% (our comparison ratio)
- Platen parallelism: 20 μm

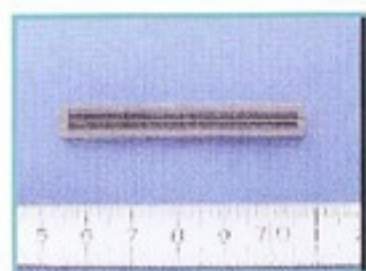
Plasticizing performance

- Abrasion-resistant and corrosion-resistant screws for each resin
- Ultra-fine exclusive long nozzles
- Nozzle temperature group control + barrel temperature 4-zone control (standard + 1 zone)



●MD30S-IVHP

Examples of molding



Narrow-pitch connector
(0.5x200-core LCP: 2 cavities)



Narrow-pitch connector
(0.5x40-core PA6T: 8 cavities)



IC card
Thin wall 0.14 mm PC + ABS: 2 cavities

Recommended options for molding connectors

1	Servo-touch feed device
2	1-shot visual measurement charge plate
3	Mold die thermal control 2-zone
4	Air jet (one system)
5	Insulating panel (SUPERHEMIT 5t)
6	Fixed die cooling circuit
7	Opposite side operation door / acryl window

Items	Unit	MD30S-IV HP	
Injection Capacity	T·m	i 0.7	
Screw Type		Y	A
Screw Diameter	mm	18	22
Shot Mass(PS)	g	20	30
Max. Injection Pressure	MPa	280	200
Max. Holding Pressure	MPa	270	180
Max. Injection Speed	mm/s	500	
Plasticizing Capacity(PS)	kg/h	10	20
Clamping Force	kN	300	
Tie-bar Distance(H x V)	mm	280 x 280	
Mold Opening Stroke	mm	230	
Mold Height (min./max.)	mm	150 / 300	

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creates never-ending New-Value

