

Horizontal Parting Flaskless Molding Machine

FDN^X series



Simple and affordable

Molding Rate (MAX): **100** molds/hr

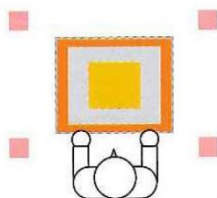
※ Excluding core setting time

FDNX-0



Single station design

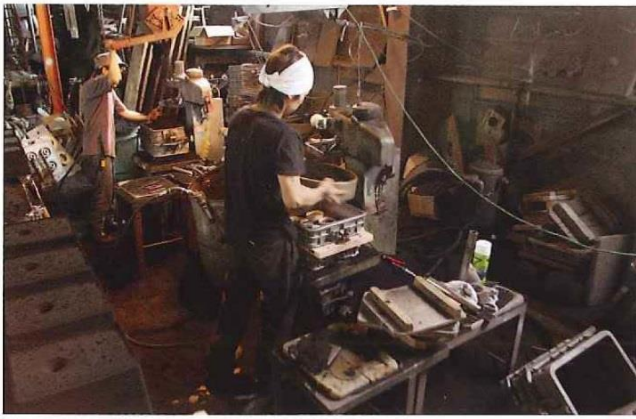
Molding → Core Setting → Mold Stripping



- Aeration sand filling technology for producing high quality castings.
- Ready to use by just connecting power (100V AC-240V AC), compressed air and sand supply.
- Low-noise working environment of 72dB(A).
- Ideal for switching from manual molding to automatic molding.

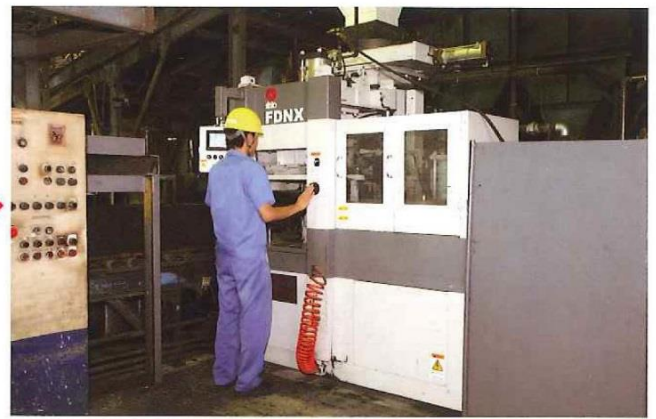
*Startup and training package is available upon request.

Before



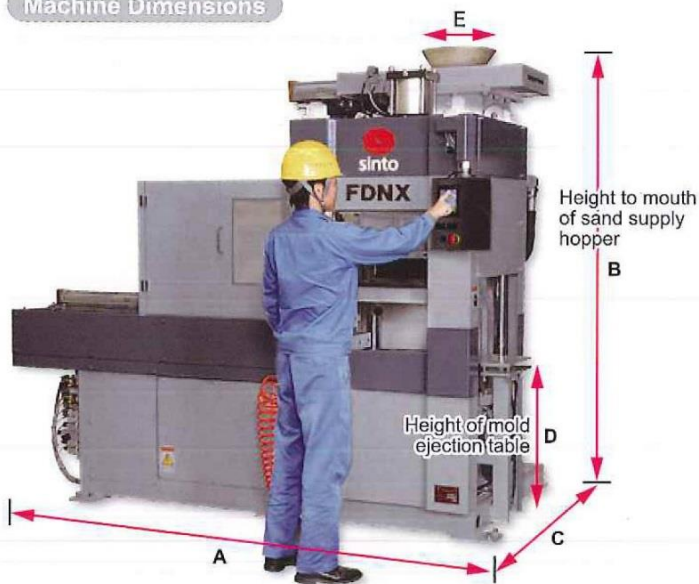
Dozens of jolt-squeezers making molds manually

After



A couple of automatic molding machines producing same number

Machine Dimensions



Actual Installation example



Model No.	A	B	C	D	E
FDNX-0	2,605	2,365	1,742	820	400
FDNX-I	2,795	2,665	1,906	940	400

Specifications

Model No.		FDNX-0	FDNX-I
Mold Size	Width x Length (mm)	450x350	500x400
	Height (mm)	Cope:150 Drag:150	Cope:180 Drag:180
Molding System		Aeration Sand Filling + Squeeze	
Molding Rate (Max) *1) *2) (Excluding core setting time)		100molds/hr (36sec/mold)	90molds/hr (40sec/mold)
Squeeze Surface Pressure (Max)		0.7MPa. 2stages selectable	
Aeration Pressure		0.05-0.18MPa	
Power System		Air & Air on Oil	
Air Consumption		1.0m ³ (N)/mold	1.5m ³ (N)/mold
Operating Air Pressure		0.56±0.04MPa	
Power Source Rating *3)		Motor Circuit: 100V AC-240V AC (50Hz/60Hz) Control Circuit: 24V DC	
Weight of Mold (Min-Max)		71kg	108kg

*1) Molding speed may vary depending on ambient temperature, compressed air source pressure and squeeze pressure.

*2) Including 9sec for core setting ; Molding Rate (MAX) FDNX-0...80molds/hr I...78molds/hr.

*3) CE version is also available as an option.

Remarks: Above specifications and dimensions are subject to change without notice.