

Full Automotion

With Ti-BMS only few workers are required to operate in turn significantly reducing running cost and human errors during production process. Cleanliness and safe environment at workplace can be achieved.

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2. Traceability

(Cycle time & error logs)

Current cycle time can be traced by PLC to monitor as well as control of productivity. Furthermore, Errors history are recorded in timely sequence. Operator can go back to history page at any time to find out what went wrong.

3. Consistent quality casting

In-mold casting will be systematically controlled and timed; as such, cooling period for each casting will be exact and as predetermined. Sand mold will be broken for casting output according to pre-designated cooling duration – stable and superior quality casting can be met.

4. Low price!!

Compared with the original Ti-AMS series, this new Ti-BMS had been re-engineered by keeping key functions and benefits of the system existence while reducing all unnecessary costs of manufacturing leading to 50% lower in price.

Better casting manufacturing

Casting systems friendly to the people and earth

Reliable casting manufacturing



Casting & Sinto

~Introduction to the high~quality, low~cost casting process

Aeration will change
the casting methods and products

Realization of uniform sand feeding as a basis for accurate casting process





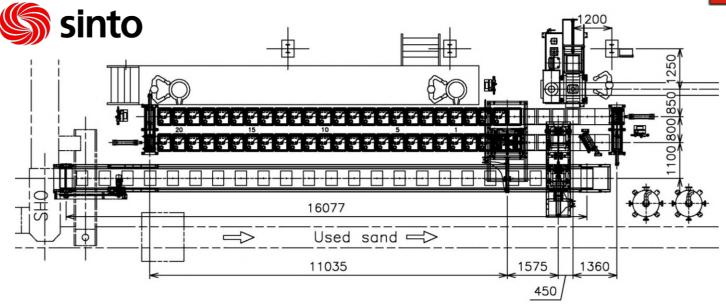
New Harmony ≫ New Solutions™

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		Ti-BMS-NO or SO	Ti-BMS-NI or SI
General	Molding machine	FDNX-0	FDNX-I
	Mold size	450L x 350W (150/150)mm	500L x 400W (180/180)mm
	Pouring line	20 molds	
	In-mold cooling time	18-30 min ((30molds)
	Patter change method	Manual '	
	Sand volume per mold	71 kg/mold	108 kg / mold
	Mixed sand required	Approx. 7 ton / HR	Approx. 10 ton / HR
Devices and	Mold car	500L x 450W mm	500L x 500W mm
equipment		(Material: FC)	(Material: FC)
		Quantity = 63 sets	Quantity = 61 sets
	Jacket	430 x 555W x 170H mm	605L x 480W x 170H mm
		(Material: Aluminum)	(Material: Aluminum)
		Quantity = 50 pcs	Quantity = 50 pcs
	Weight (customer's	100kg (Material: FC)	120kg (Material: FC)
	scope)	Quantity = 48 pcs	Quantity = 48 pcs
<u> </u>			
Utilities	Air receiver tanks	For FDNX 0.5m3 x 1 tank	For FDNX 1.0m3 x 1 tank
	(Max 0.7MPa)	For Line 1.0m3 x 1 tank	For Line 1.0m3 x 1 tank
	Electricity	AC380V / 50Hz	

Remarks:

- * To improve quality of our product, changes of specification may apply without prior notice
- * N or S means normal or special type
- * Special includes cushion cylinder, bigger touch panel, 10 meters length cooling belt conveyor, spare jackets, and spare mold cars



Stable casting quality

Compact & Pit-less

Applied to any pattern



	Mold size	FDNX-0	450 x 350 (150/150)mm
		FDNX-I	500 x 400 (180/180)mm
r	Molding method Molding rate Squeeze pressure	100 molds / HR (36 se	& Squeeze ec / mold) without core hangeable in 2 steps)
	Air consumption Air pressure Power supply	0.56 +/	ormal) / mold '-0.04MPa ntrol circuit DC24V)
	Mold weight	71kg	/ mold

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