



**sinto**  
thaisinto  
www.thaisinto.co.th



**METALEX**

2022

NO. 1 MACHINE TOOLS & METALWORKING EXHIBITION SERVING ASEAN 36th EDITION

**16-19 NOV 2022**

**BITEC**

**BANGKOK  
THAILAND**

**WED-SAT  
10:00-18.00**

## FEATURES

- 1. ENERGY SAVING AUTOMATES THE POURING WORK OF EXPERTS**  
Automates pouring work by an expert every time. No more waiting for pouring work, able to produce to match furnace operation.
- 2. COST REDUCTION REDUCE SPILLS AND DEFECTS**  
Eliminate spills. Reduce pouring defects caused by human error.
- 3. CAPABILITY OF USING EXISTING LADLES**  
Flexibly supports a variety of ladle shapes. Existing ladles can be used.
- 4. COMPACT AND LOW COST RAPIDLY INSTALL AND TEST**  
The compact design fits easily to existing molding lines. Installation period is minimum, contributing to fast production start.
- 5. AVAILABLE IN-STREAM INOCULATION THAT REDUCES RARE METALS.**  
Provides reduction in rare metals used.



sinto  
**FOUNDRY  
INTEGRATION™**  
▶▶▶▶▶

sinto FOUNDRY INTEGRATION  
*for the Better*

# FVN Series

## Automatic Pouring Machine

Our compact automatic pouring machine contributes to better and safer environment and quality.

THAI SINTO  
BOOTH NO.

**BF29**  
**HALL.101**

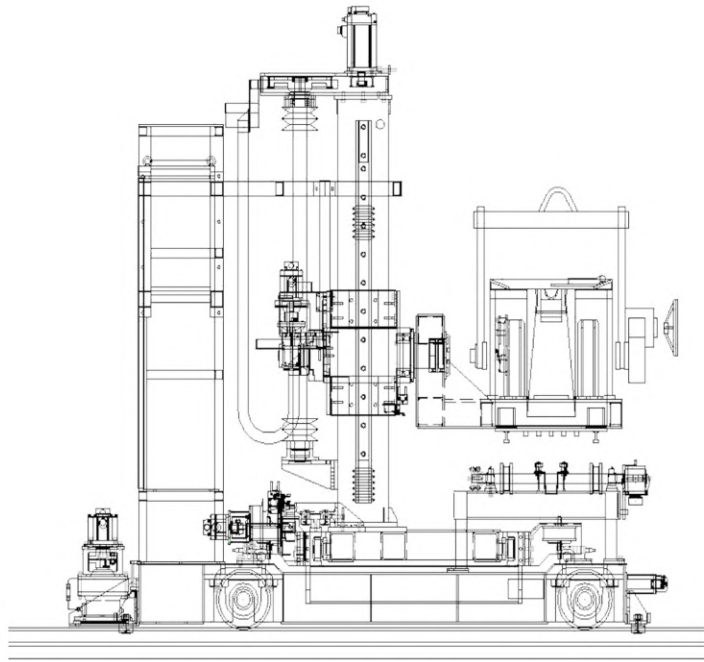


Co-located with



# DIMENSION

## FNV Standard Model



Overall dimensions  
2050<sup>w</sup> x 3300<sup>b</sup> x 3580<sup>h</sup> mm

## Metal level control by image

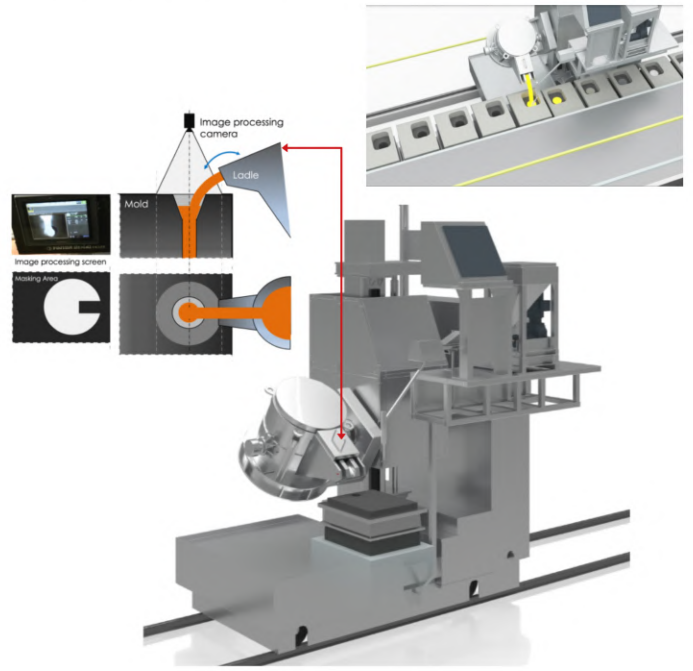


Image of mold top face shot by camera is masked by image processing system. Metal area in the detection zone is measured to make consistent ratio by correcting tilting speed of ladle during pouring.

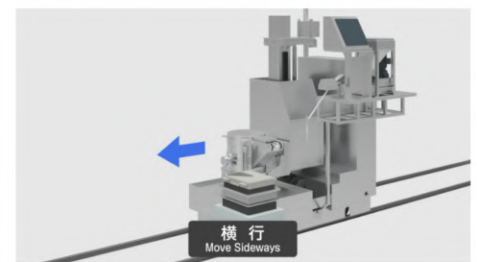
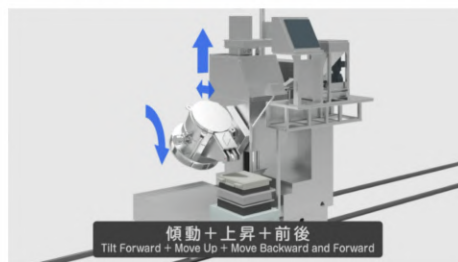
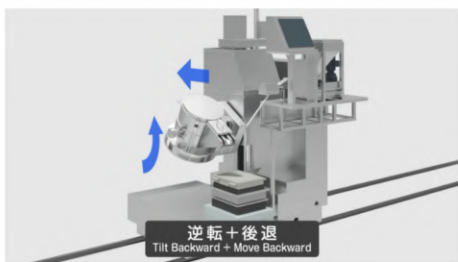
# SPECIFICATION

### FVN SERIES-AUTOPOUR SPECIFICATION

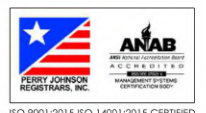
Specifications	Model			
	FVN-1	FVN-II	FVN-III	FVN-IV
Ladle Capacity	551-882 lbs. (250-400 kg)	992-1,433 lbs. (450-650 kg)	1,543-1,984 lbs. (700-900 kg)	2,205-2,866 lbs. (1,000-1,300 kg)
Molding Speed	18 seconds/mold	25 seconds/mold	30 seconds/mold	30 seconds/mold
Weight Control	By Load Cells			
Pouring Time (One Machine)	Less than 8 seconds	Less than 13 seconds	Less than 18 seconds	Less than 18 seconds
Ladle Capacity	4-11 lbs./second (2-5kg/second)	4-22 lbs./second (2-10kg/second)	4-26 lbs./second (2-12kg/second)	4-26 lbs./second (2-12kg/second)
Driving Units	AC Serve Drive & Inverter Drive			
Functions	・Teaching ・Poured Mold Detection ・Auto Weight-Measuring ・Pouring-Speed Setting ・Pouring-Position Automatic Selection Synchronized Travel With Molding ・Tapping Detection (pouring start)			

## Basic functions of Econo-Pour

Smooth motion by Servo Motor (Forward/Backward, Up/Down, Tilt, Sideways(OP))



**THAI SINTOKOGIO CO.,LTD.**  
SINTOKOGIO GROUP  
Rojana Industrial Park 2  
44 Moo 4, Banchang, U-Thai Ayutthaya 13210 THAILAND  
TEL: +66 (0) 35-200-710-8 FAX: +66 (0) 35-200-719  
[www.thaisinto.co.th](http://www.thaisinto.co.th) Line Official : Thai Sinto



ISO 9001:2015 ISO 14001:2015 CERTIFIED

Version 2022(01)