

Auto Mold System Specification (ASM)

REV A

1. Standard

1-1 System standard

- Model : ASM IDEALmold R2R(1chases mold)

ITEM	Quantity	Note
System	1 set	80 ton press
Mid-plate	1 set	
Top chase /bottom chase	1 set	
PRP	1 set	

- Remarks: Mold chase can compensate substrate thickness +/- 0.06mm

1-2 System configurations

- 1) Machine time: 28-30 sec
- 2) LCD monitor: 12.1 Inch Touch Screen
- 3) Clamp pressure: 80Ton max
(+/- 1% full scale around 0.8 ton)
- 4) Transfer pressure: 3 Ton Max (+/- 1% full scale around 0.03 ton)
Set point = within Spec. actual is depending on tolerance spring compensation.
- 5) Mold temperature & pre-heater: (+/-5 degree C)

2. System

2-1 General specification

- . MTBA: 120 min.
- . Machine Time: 28-30 sec. (exclude process delay)
- . Clamp pressure: set +/- 5%
- . Transfer pressure: set +/- 5%
- . Mold Temp.: set +/- 5°C
- . Conversion Time: Max. 10 min. (* for middle plate conversion only)

2-2 Film Loader system

- 1) Reel to reel feeding system which is enable to expend 70mm width
(With optional conversion kit)
- 2) Full automation and easy wheel loading feature
- 3) Vacuum cleaning for Protection from EMC particle
- 4) Detect function of presence of film
- 5) Tape orientation detection

2-3 EMC Loader system

- 1) Full automatic EMC loading system
- 2) EMC chamber temperature control
- 3) EMC loading capacity: (~5 kg)
- 5) Automatic EMC pellet expiry reject function
- 6) EMC powder self-cleaning system
- 7) EMC pellet detect function (Size, Broken pellet)

2-4 Press/Mold part

- 1) PGS Molding Technology
- 2) Vision inspection system to detect tape mis-load
- 3) Working pressure of transfer/clamp displayed and checked.
- 4) Film thickness compensation function
- 5) Mold chase total length= (350mm max, 2 reels)
- 6) Flexible plunger pitch
- 7) Material: ASP23, SST403
- 7) Pressure
 - Clamp: 80 tons max
 - Transfer: 3 tons max
- 10) Cycle time
 - Machine cycle time: 28-30 sec (exclude process delay)

- Transfer time: process dependent
- 11) Max Mold open size
 - Top chase: day-light height 180mm
 - Bottom chase: day-light height 180mm
- 12) Cull discharged inside the equipment inside.

2-5 Communications

- 1) Communication with host (LAN) (Optional)
- 2) Compatible with Bar code system (Optional)

2-6 HMI Program (Soft ware)

- 1) Windows XP
- 2) Programmable parameter and Parameter display system
- 3) Parameter/data filing system (Save, delete, Open etc.)

3. Utility

VOLTAGE INPUT	: THREE PHASE, MULTI INPUT VOLTAGE
CAPACITY	: 440/415/380/220/208
FREQUENCY	: 50/60 Hz
CONSUMPTION	: 10 Kw (PEAK 20 Kw)
AIR PRESSURE	: 5-7 Bar
AIR CONSUMPTION	: 500 NL/Min
WEIGHT	: 4 TON (APPROXIMATED)
EXHAUST	: 300 CUBIC METRES/ Hr

