

4. Auto Feeding Row Slitter

1) Description

This system is designed to execute following works.

- (1) 200 row sheets loading by manual**
- (2) Pick up a row sheet one by one by robot and vacuum and put it into row slitter automatically**
- (3) Row sheet slitting**
- (4) Cut rows are stacked into each elevator type magazines.**

2. Specification

- 2-1) Sheet : Row Sheet**
- 2-2) Capacity : about 720 sheet/hour - based on tact time max. 5 sec**
- 2-3) Air : 5~7kgf/cm² (constant pressure supplying)**
- 2-4) Slitting accuracy : ±0.1 mm**
- 2-5) Power : 110 Volt or 230 Volt, 50 Hz or 60 Hz**
- 2-6) Sheet loading capacity : 200 sheets**

3. Composition of the system

- 3-1) Stack elevator : 200 sheets loading**
 - Finger Carrier tool (Robot and vacuum)**
 - > Sheet is fed one by one to Row slitter**
- 3-2) Row Slitter : row is slit into 10 strip row**
 - Composition : Cutter spec.: knife head changeable type,**
 - Material : skd11**
 - Heat treatment : High temperature tempering**
 - Hardness : Rockwell hardness - Hrc59~600**
 - Coating : Titanium coating**
 - Motor : Speed control is capable**
 - Cutting position is adjustable by built in micrometer**
 - if the sensor detect 2 sheets at once, the machine is stopped automatically**

3-3) Row conveying :

- Conveying cut rows to elevator type magazines by conveyor
- Composition : Motor and belt system for conveyor operation

Guide for Row conveying part

3-4) Row receiver and magazine

- Cut rows are stacked into each elevator type magazines.

3-5) Electricity : PLC Control - touch screen