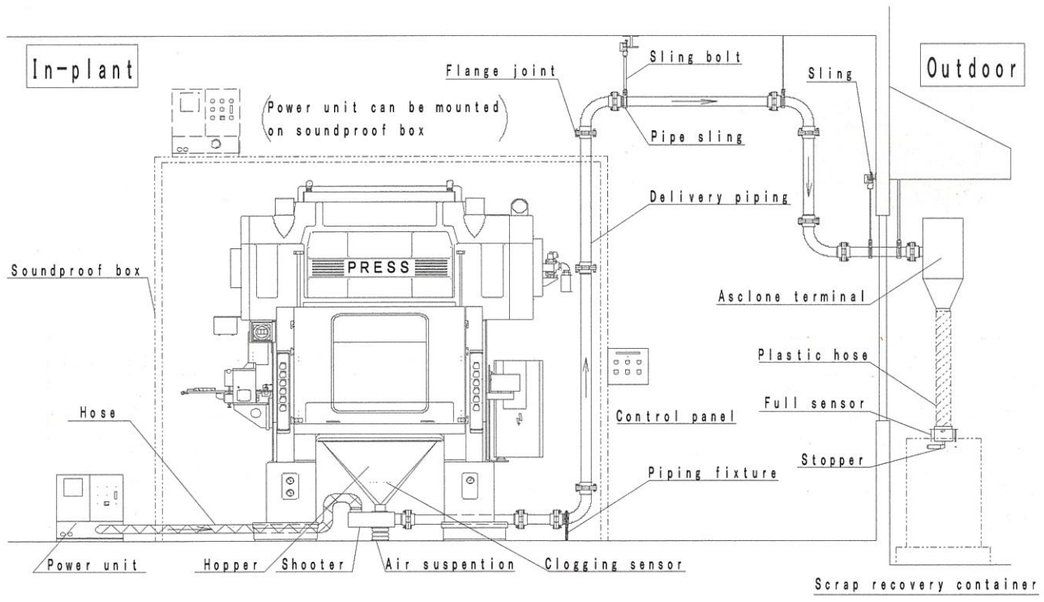
ASCLONE・SHOOTER・SYSTEM

1・PREFACE

This is device which scraps generated when connector, lead frame, electrical component, etc. are punched out with stamping machine, are to be automatically air-delivered by interlocking with the stamping machine cycle.
The device consists of power unit, shooter, hopper, delivery piping, scrap container, asclone terminal vessel and control panel.
An air compressed with the power unit is fed to the shooter through the hose, etc. and scraps are taken from hopper with suction force. Scraps push into the pipe and carry to the designated places.
The carriage speed, the suction force, and etc. are controlled by inverter. Therefore it can be drive in the most suitable condition.
Scraps which were carried inside the pipe, are slowed down by asclone terminal vessel and collect to scrap container.
Sensors are installed in hopper and scrap container. The stamping machine can be stopped by interlocking circuit and the system can cope for saving labor and automation.

2・OUTLINE DRAWING FOR SYSTEM



3・FEATURES

a. Scraps generated by the stamping machine can be delivered to the designated places by interlocking with the stamping machine operating cycle.
b. Labor-saving for stamping work and long time continuous operation can be achieved.
c. Scrap fly surrounding the stamping machine is nothing.
d. Any type of scrap container can be used, and can be located away from the stamping machine.
e. Without scrap container cover, scraps can be collected by asclone terminal vessel without scrap fly.
f. Due to shooting system, residual materials inside piping is small, therefore it is suitable for carriage of the different material.
g. Residue rising can be prevented by high suction force when use VSS model.
h. A scrap container can be replaced without stopping the stamping machine.
i. Due to low pressure, no welding for flange joint of piping is required for easy erection.

4・USE EXAMPLE

Connector

Lead frame

MODEL ASS (DELIVERY ONLY・・・・・・・・・SUCTION PRESSURE 100～500mmAq)

Model	ASS-32	ASS-50	ASS-65	ASS-80	ASS-100
Scrap (mm)	30	45	55	75	90
Delivery distance (M)	15	25	30	40	50
Motor output (Kw/H)	1.9	3.4	6.8	9.0	14.8
Current (A)	8.3	13.5	24.0	31.0	51.0

MODEL VSS (SUCTION AND DELIVERY・・・SUCTION PRESSURE 1500～3500mmAq)

Model	VSS-32	VSS-50	VSS-65	VSS-80	VSS-100
Scrap (mm)	15	22	28	33	40
Delivery distance (M)	30	50	70	80	100
Motor output (Kw/H)	1.9	3.4	6.8	9.0	14.8
Current (A)	8.3	13.5	24.0	31.0	51.0

Notes ・The scrap size indicated above is less than 1mm in plate thickness, and is maximum dimension including diagonal line, and excludes entwined shape.
・The delivery distance is for the stamped residues of connector and lead frame, and some may not be delivered depending on the shape.
・The suction pressure varies depending on delivery distance and shooter size.