

# Endmill packing machine Proposal

**Automation**  
**division**  
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# 1.1 Machine Summary : Development Purpose

## ➤ Development Purpose

- When cutting tools is packed, this machine can conduct the packing process with more faster and exacter than the process by hand.
- The automation system of the packing process can obtain effect of the cost down in labor fee.
- The marking device and marking process can be attached as additional option for the unification of the effective process.

## ➤ Packing Target

- Endmills and Drills

## ➤ Packing Case

- END MILL CASE Assembled (1 PCS)
- END MILL CASE Separate ( 2 PCS)
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# 1.2 Machine Summary : Packing Range

## ➤ Packing Range and Specification

Div.		Specification	Remark
Target item	Material	하이스, 초경 엔드밀	
	Shank diameter	Φ4 , Φ6	Shank and Flute Dia
	Shank Min. Length	35mm	
	Shank and Flute Max. Length	60mm	
CASE(Optional)	Spec.	12*12*60, 12*12*75	Assembled
	Spec.	Upper 12.8*12.8*54, 12.8*12.8*58.5 Lower 12.6*12.3*20.5	Separate
Cycle Time	5000EA/8Hr	5.7sec / 1EA	
CASE Supply Device	BALL FEEDR type	20EA/MIN	
Size	Width*Length *Height	2550*1160*1500	

### 3. Endmill Packing CASE Type

CASE Assembled

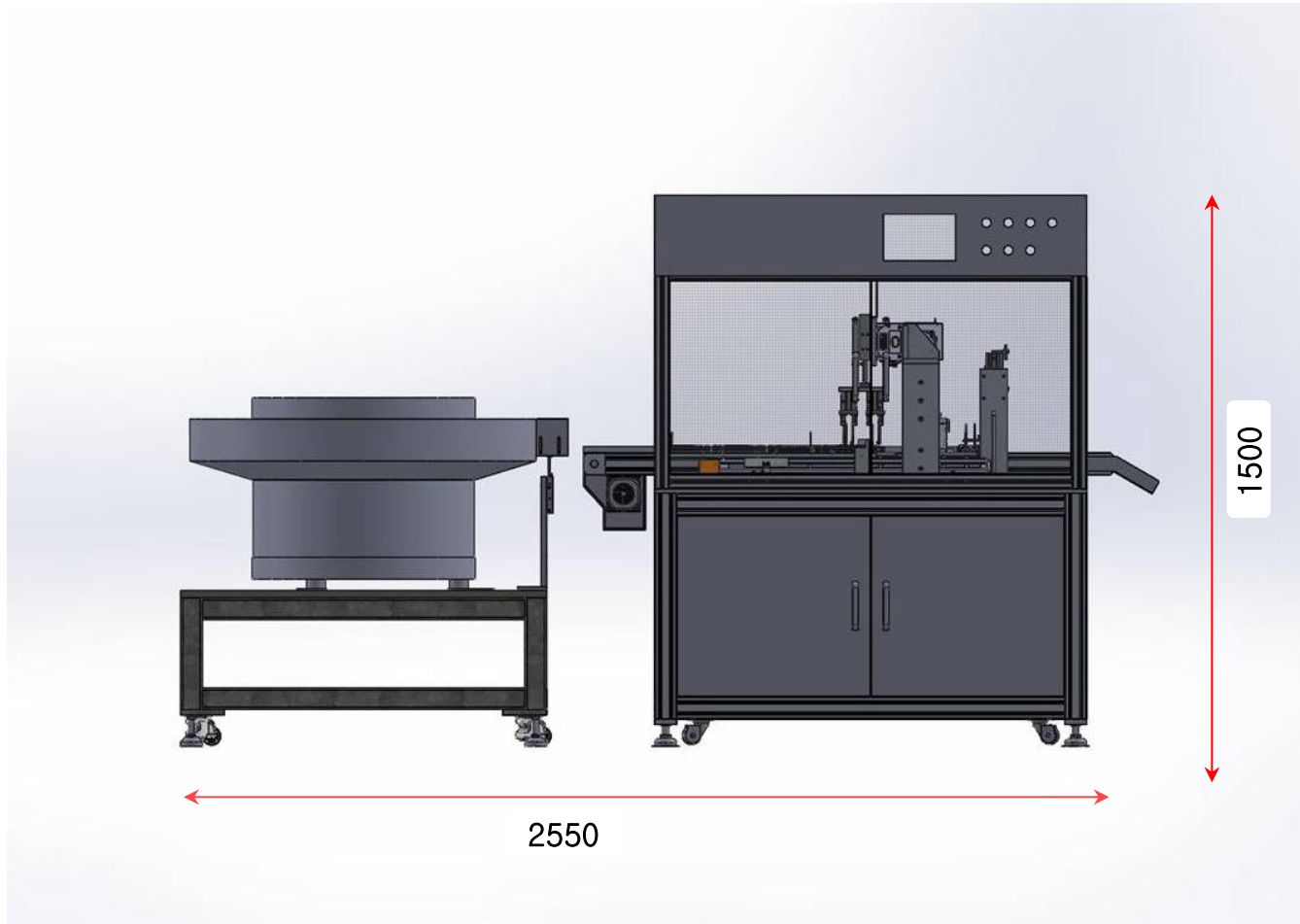


CASE Separate

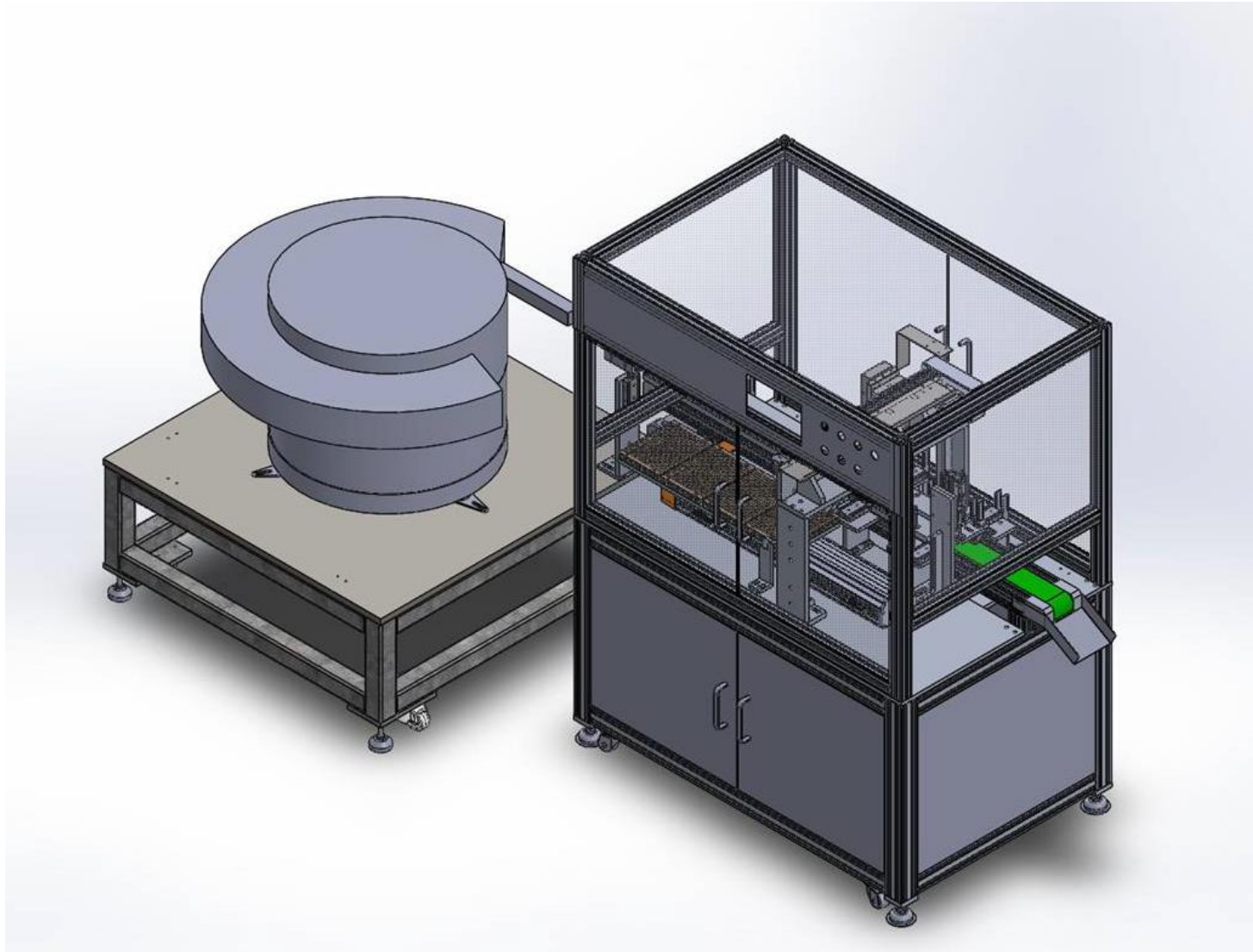


# 4-1. Machine Summary : Front View

Machine installation Size: 2550\*1160\*1500H



## 4-2. Machine Summary : Side View

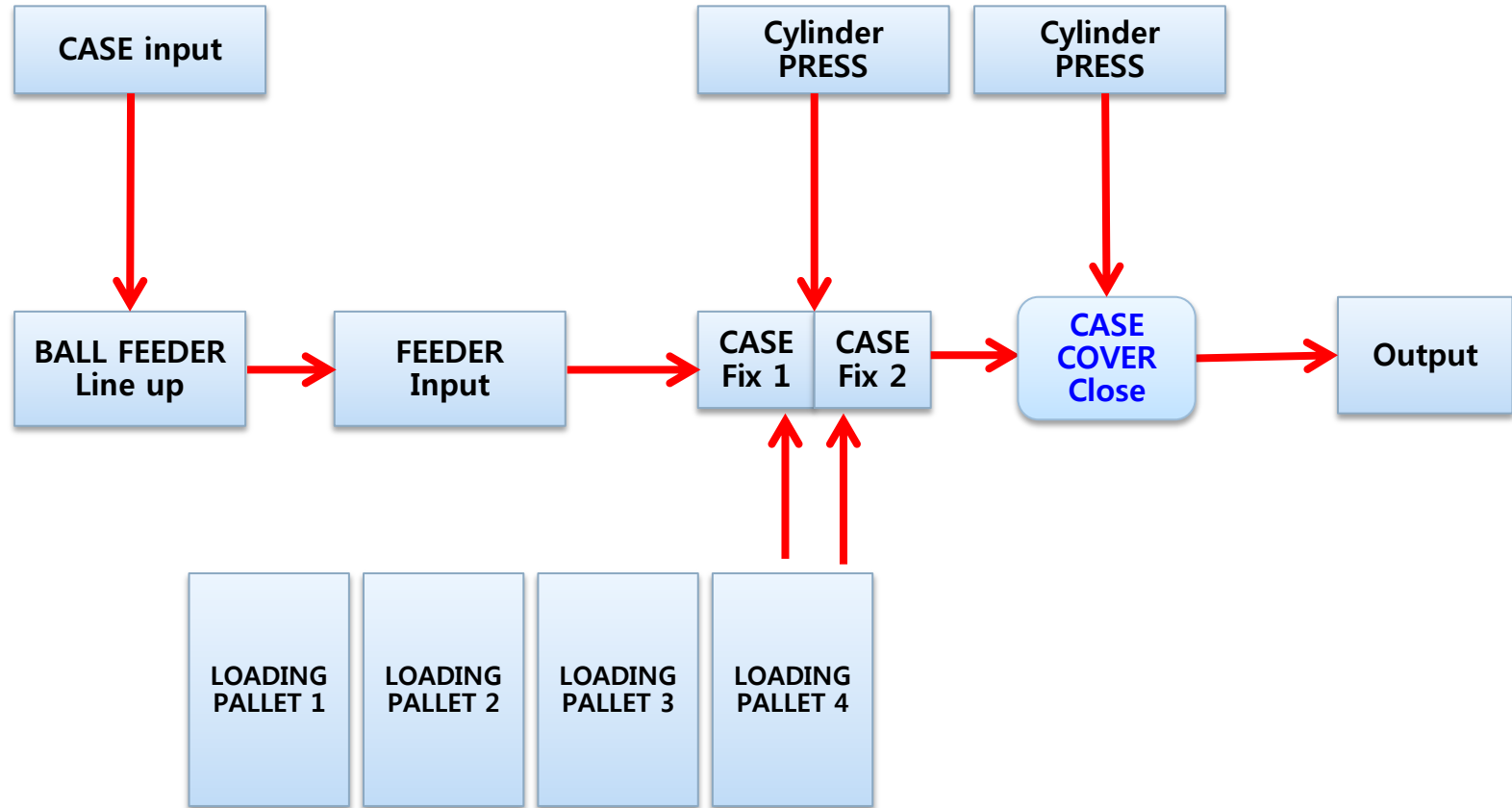




## 4-3. Machine Summary : Front View



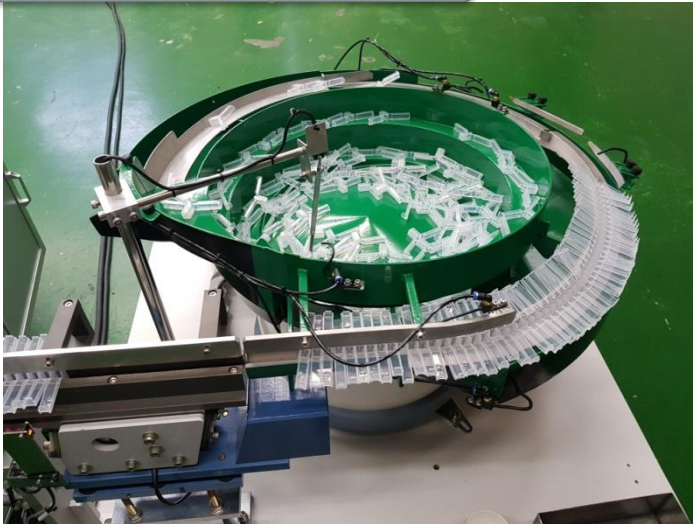
# 5-1 PROCESS Line



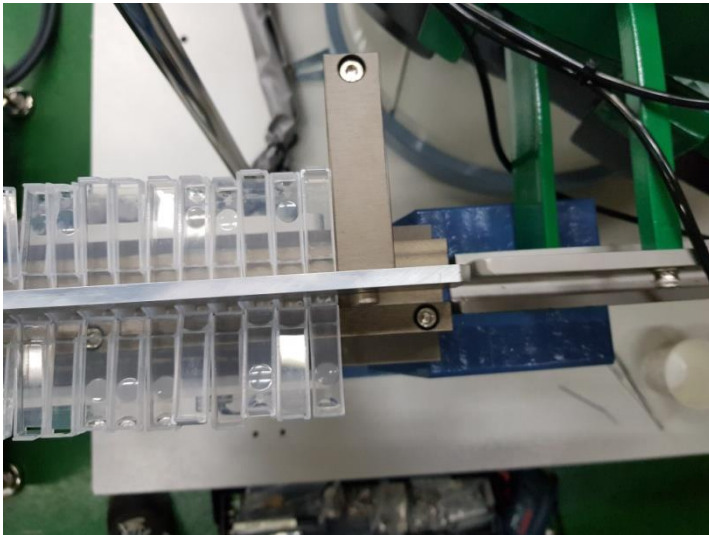


# 5.2 PROCESS Line

1. BALL FEEDER Line up



2. FEEDER INPUT

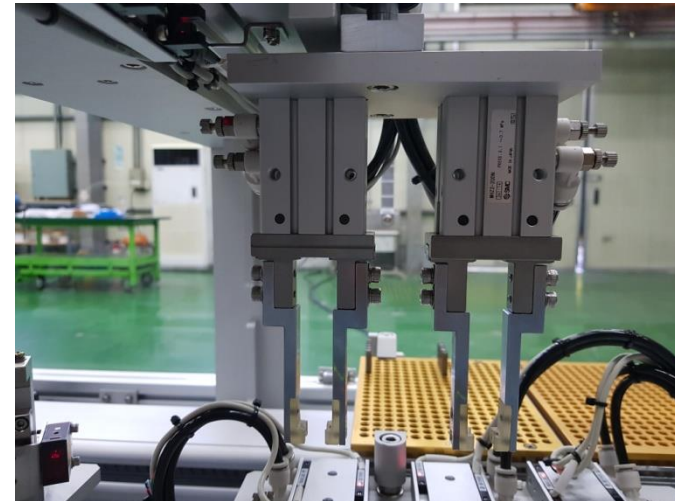
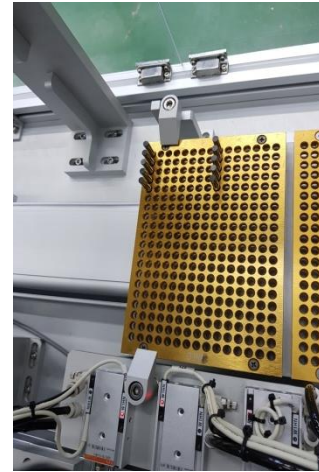
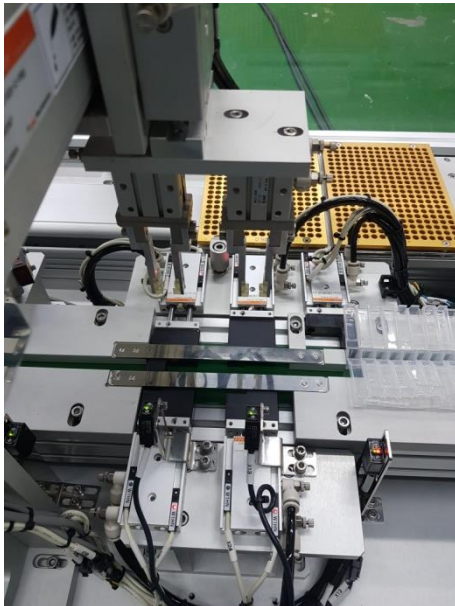


# 5-3 PROCESS Line

3.E/M CASE Grip



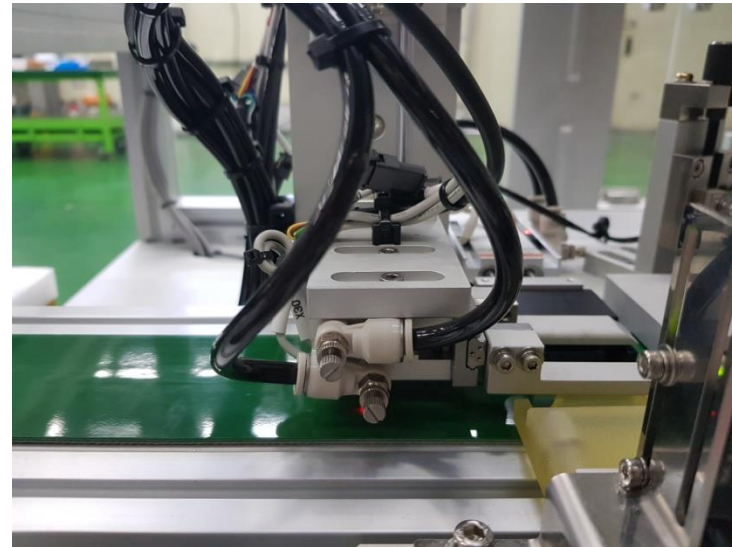
4.E/M Input





# 5-4 PROCESS Line

## 5.E/M CASE Packing (Push)



**Thanks you.**