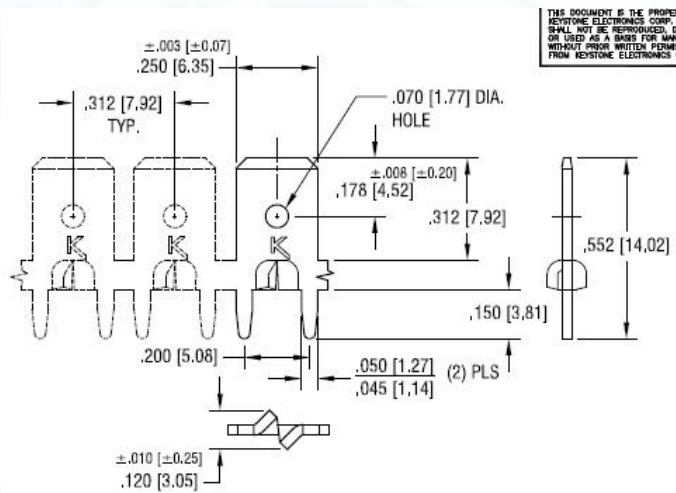
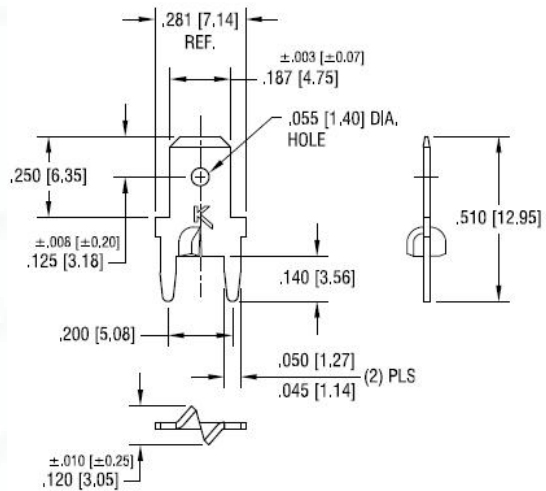


S-7000T Terminal Insertion Machine



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How do you insert the terminal components?



- *High labor costs
- *Low efficiency
- *Need month salary

 Manual **VS** S-7000T 

I'll never say tired,
just need a regular
maintenance !



Tape terminal

- *One machine can replace at least 10 people
- *Higher return on investment
- *No need salary

Let's introduce our terminal insertion machine to you-----

Product introduction

1.Operating system: Industrial computer + motion control card college control. Windows environment to run the operation of the software, the production data, management data, equipment parameters, all I/O signal diagnosis, etc. can be finished on the host

2.Insertion speed: 0.55 seconds/piece (theoretical), adopts Panasonic AC servo drive, high speed, low noise, stable movement.

3.Visual system: Industrial specialized high definition camera and the development of automatic visual correction software of vision system, automatic correction, insertion accurately.

4.Missing part system: when inserting the missing part, which can realize a leakage detection, without interpolation function.

Equipment size	1660mm*1600mm*1530mm (2 heads)
Packaging	Tape terminal, bulk terminal
Equipment weight	1500KG
PCB size	380mm*280mm (enlarged size can be customized)
Number of insertion heads	1-4 Optional
terminal thickness	≥0.5mm ≤1.2mm
Vertical error	≤0.8°
PCB requirements	The insertion hole is 0.5±0.1mm larger than the component foot
Insertion angle	360°(increment 1°)
Body distance	The distance between the components ≥ 2mm
Clinch	Inward clinching/Outward clinching/"N"
Humidity	30%-70%
Display system	17-inch color LCD monitor
Feeding system	Tape feeder or Bowl feeder + feeding guide
Motion accuracy	0.001mm/pulse
Motion system	Panasonic controller, motor
Programming function	Online visual programming, visual correction, EXCEL
Data import	USB interface import, manual entry
Communication interface	RS-232C (can be connected to MES system)
Power	Single 220V/AC, 50/60HZ, 2KVA

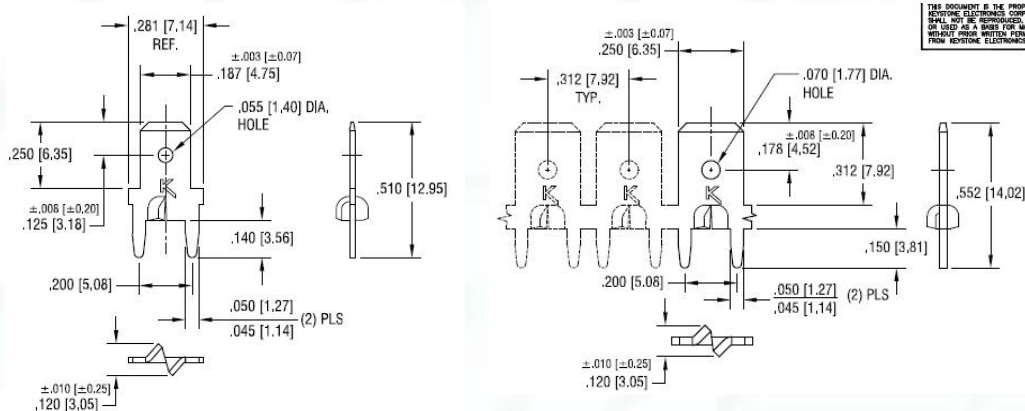
Application industry

Home appliance industry

The car industry

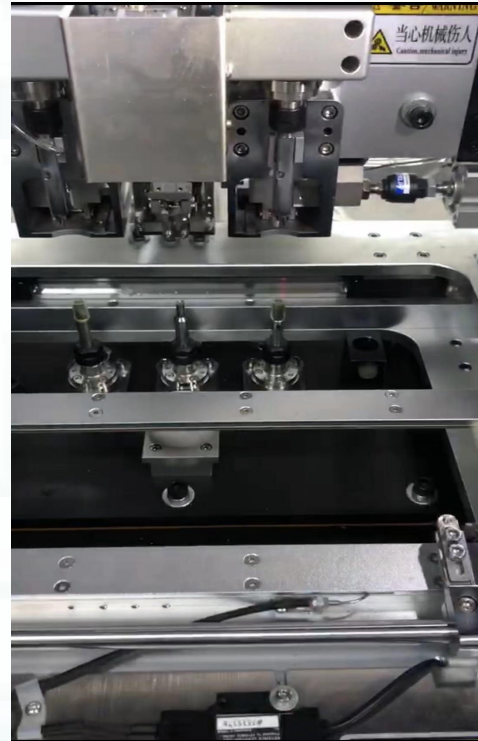
The power industry

Other electronics industry: digital watches, electronic components, etc





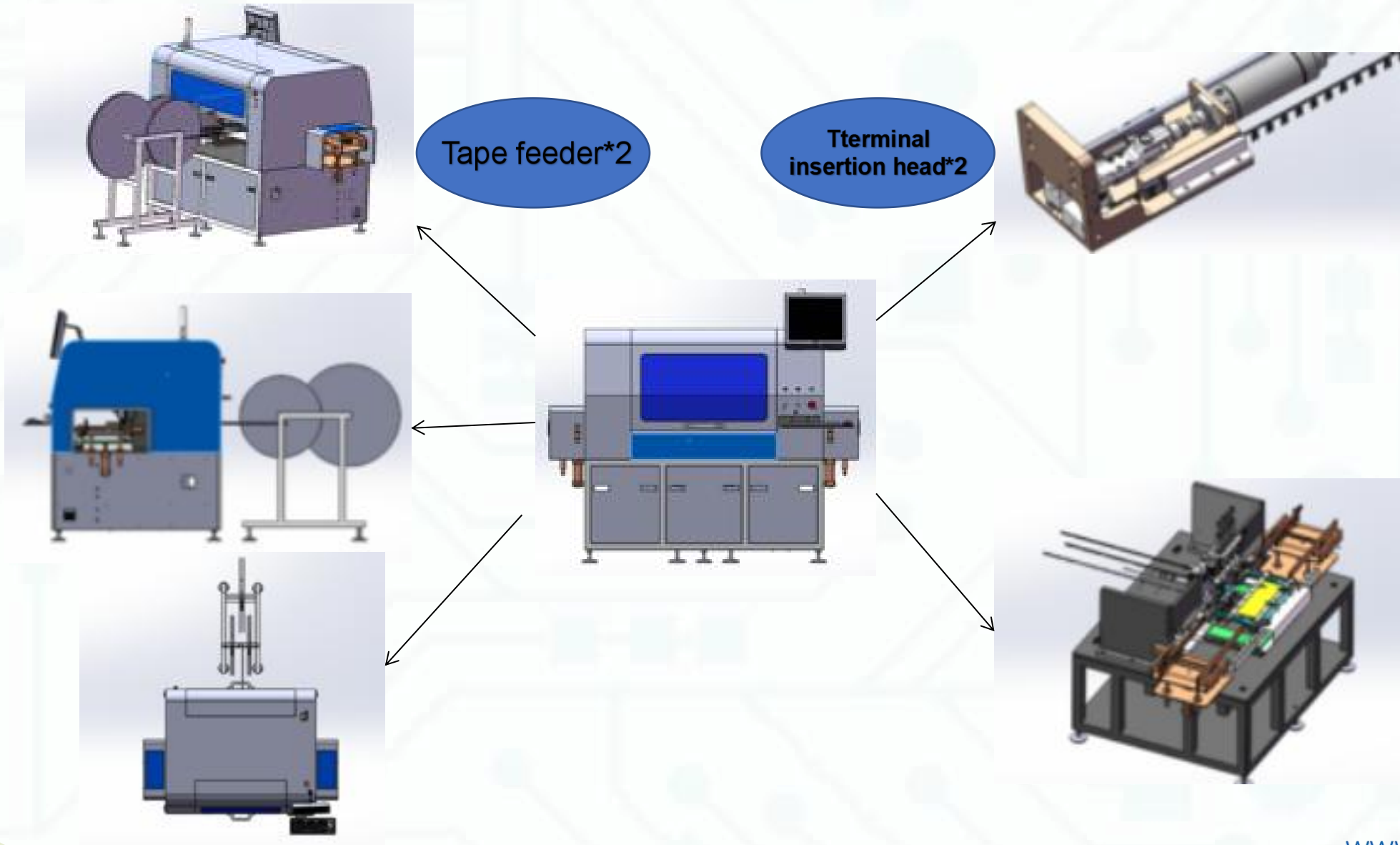
Tape feeder



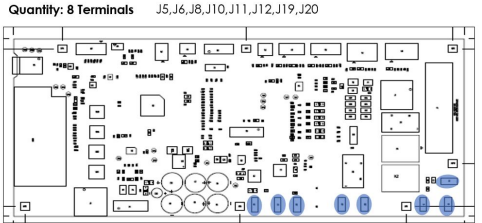
Terminal clinching mold



Insertion head

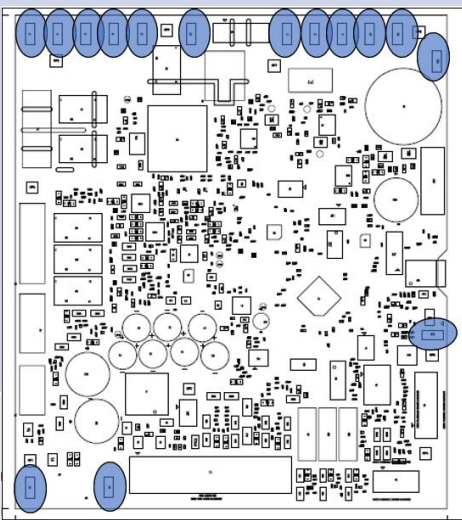


Capacity calculation

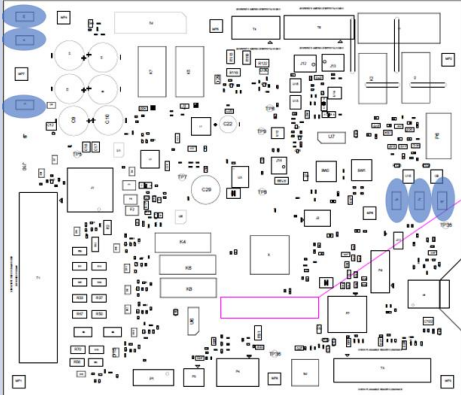
PCB	Number of devices	Number of components (Faston/single panel)	CPH	component/s	Single PCB panel Insertion time(s)	UPH (PCB)	Remarks
	1 set S-7000T	8 (1287-STR)	~4000	~0.9	~7.2	~265	Cycle time includes: PCB entry and exit(4s) and MARK recognition(1s) .UPH of PCB is about 265 pcs (3600s÷(7.2s+4s+1s) *90%)

Production plan (annual): 3000pcs
 Inserted terminals (annual):24000
 Insertion time:~11 hours(3000/265=11 hours)

Capacity calculation

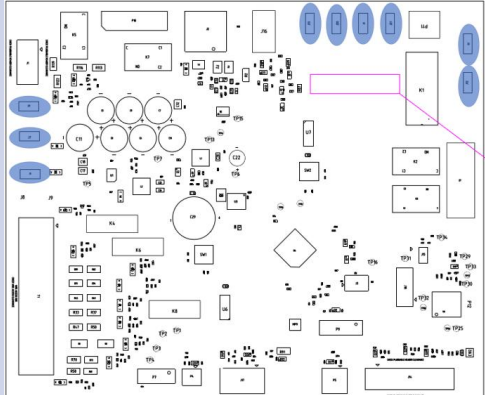
PCB	Number of devices	Number of components (Faston/single panel)	CPH	component/s	Single PCB panel Insertion time(s)	UPH (PCB)	Remarks
	1 set S-7000T	15 (1287-STR)	~4000	~0.9	~13.5	~175	Cycle time includes: PCB entry and exit(4s) and MARK recognition(1s) .UPH of PCB is about 175 pcs (3600s÷ (13.5s+4s+1s) *90%)
<p>Production plan (annual): 250,000pcs Inserted terminals (annual):3750000 Insertion time:~1429 hours(250000/175=1429 hours)</p>							

Capacity calculation

PCB	Number of devices	Number of components (Faston/single panel)	CPH	component/s	Single PCB panel Insertion time(s)	UPH (PCB)	Remarks
	1 set S-7000T	6 (1287-STR)	~4000	~0.9	~5.4	~312	Cycle time includes: PCB entry and exit(4s) and MARK recognition(1s) .UPH of PCB is about 312 pcs (3600s÷ (5.4s+4s+1s) *90%)

Production plan (annual): 3000pcs
 Inserted terminals (annual):18000
 Insertion time:~10 hours(3000/312=10 hours)

Capacity calculation

PCB	Number of devices	Number of components (Faston/single panel)	CPH	component/s	Single PCB panel Insertion time(s)	UPH (PCB)	Remarks
	1 set S-7000T	9 (1287-STR)	~4000	~0.9	~8.1	~247	Cycle time includes: PCB entry and exit(4s) and MARK recognition(1s) .UPH of PCB is about 247 pcs (3600s÷ (8.1s+4s+1s) *90%)

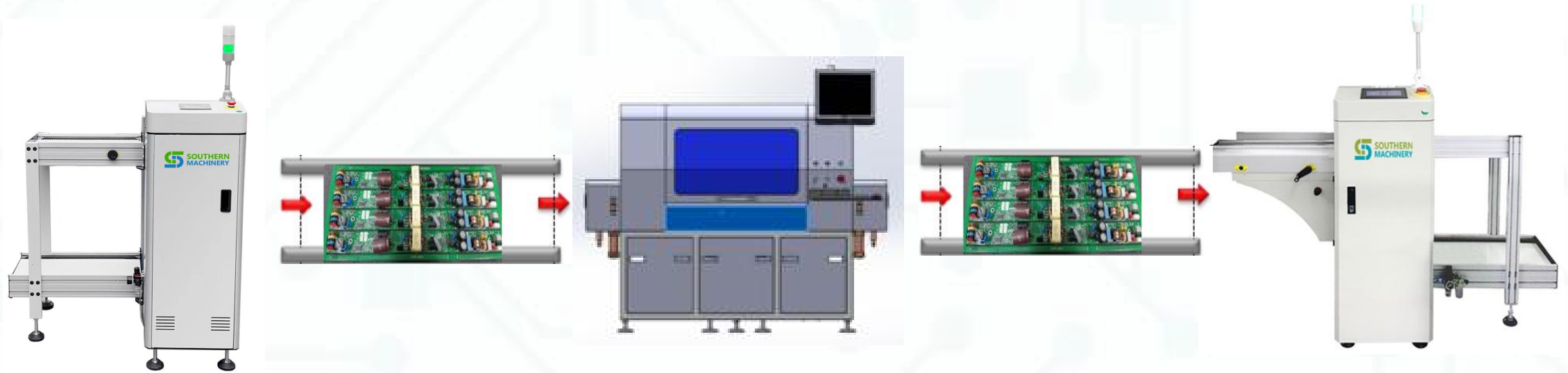
Production plan (annual): 3000pcs
 Inserted terminals (annual):27000
 Insertion time:~12 hours(3000/247=12 hours)

Capacity calculation

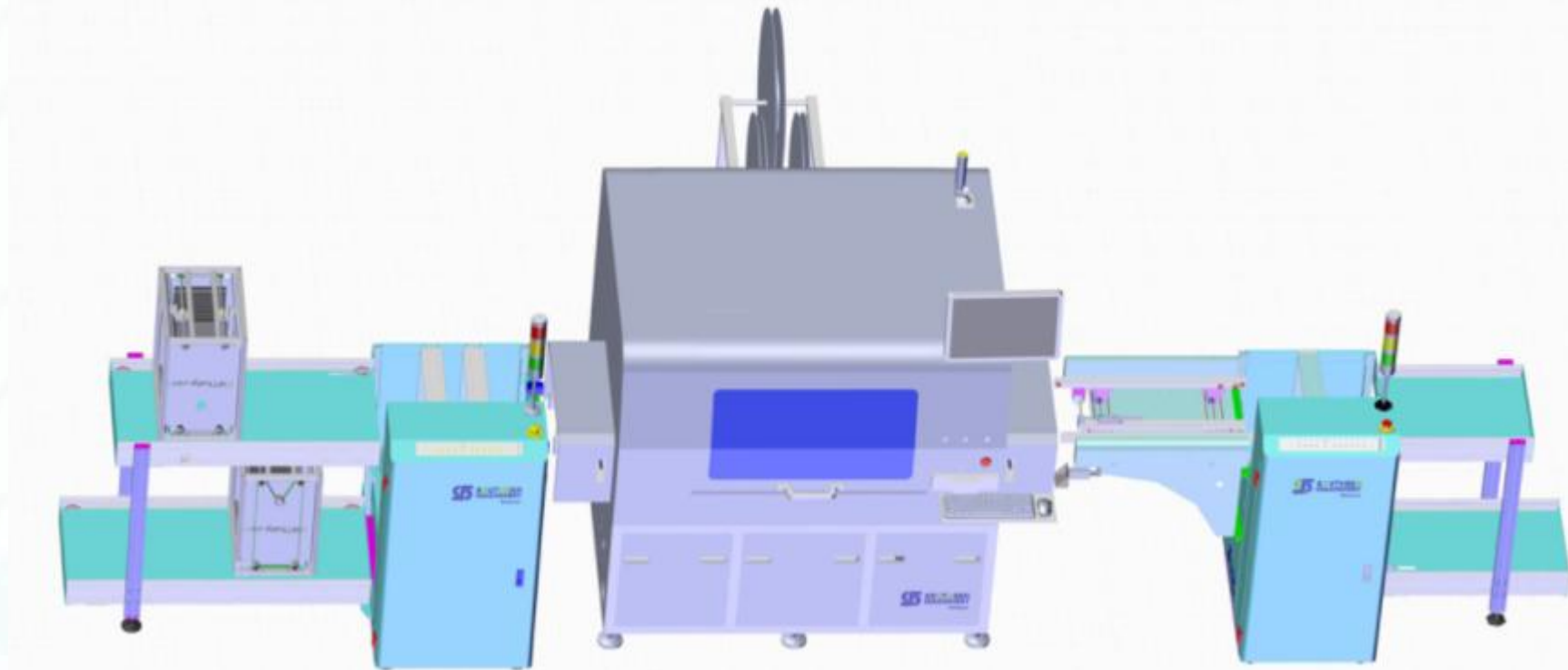
PCB	Number of devices	Terminal component	CPH	component/s	PCB annually	Terminal annually	Production time
	<p>1 set S-7000T</p>		~4000	~0.9	~350,000	~3.82 million	~1462 hours ~ 2 months

The cycle time meet 1 seconds per terminal
> 350,000 PCB annually

Custom feeder and insertion head according to terminal component type, the terminal insertion machine can be capable of processing various types of terminals and various types of PCB dimension



**S-7000T Terminal Component Inserter Machine
(2 tape feeders with 2 insertion heads)**



- PCB board handling equipment(loader+unloader machine) ready for Industrial 4.0
- The terminal insertion machine can be fast model change(feeder+insertion head) for future projects
- ESD materials better ensure operator safety
- Windows 10 operating system, can open interface connect to the PI Vision system and traceability.
Enabled to Output data to PI vision (Industry 4.0)

Best After-sales service

- **7x24 Worldwide Support**
- **Free Installation/ Training**
- **1 day lead-time (spare parts)**
- **1 Month customize solution**



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