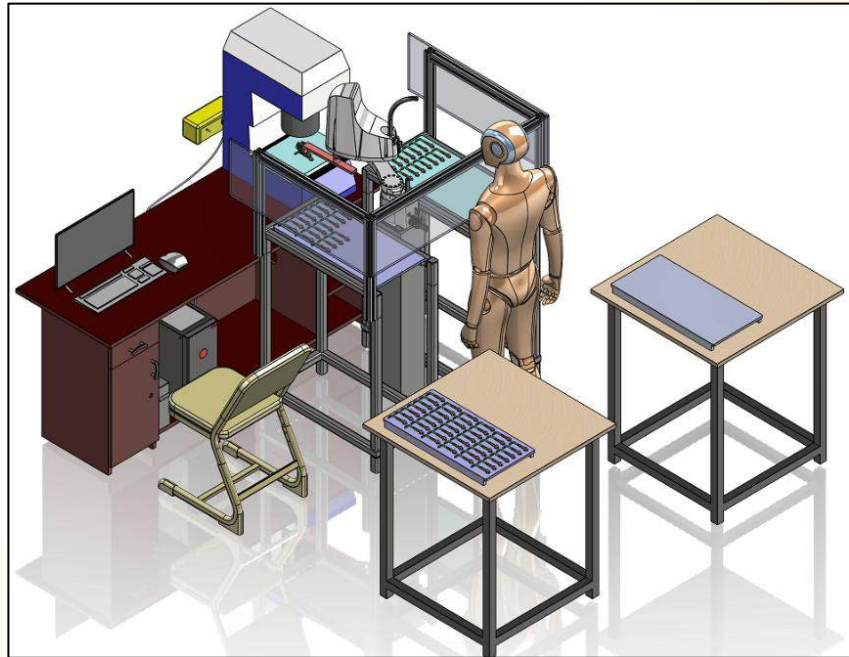


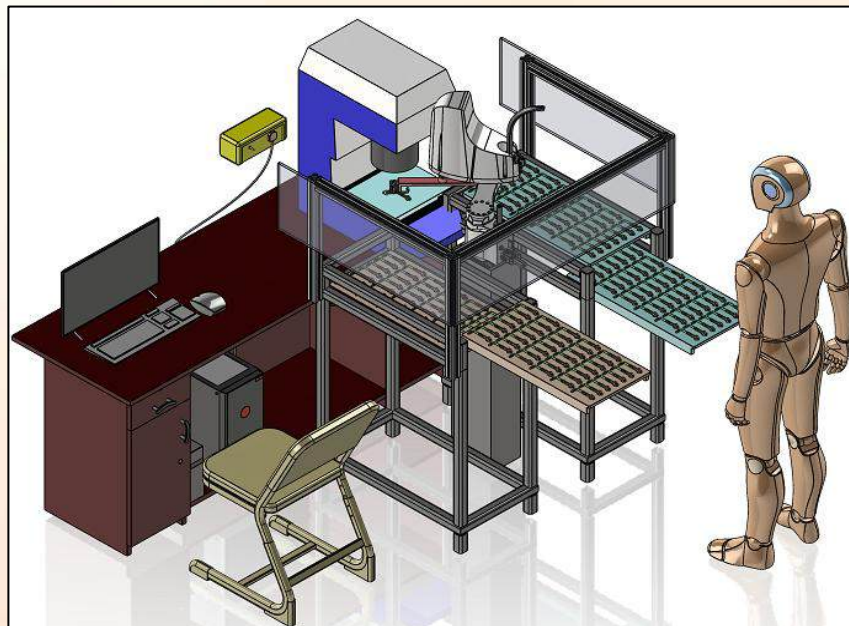
Automated Inspection System with Instant Measuring Machine (IMM)

Offering Standard Automated Inspection Systems that can handle different components in size and shape

Configuration 1: Manual Tray Loading & Single gripper



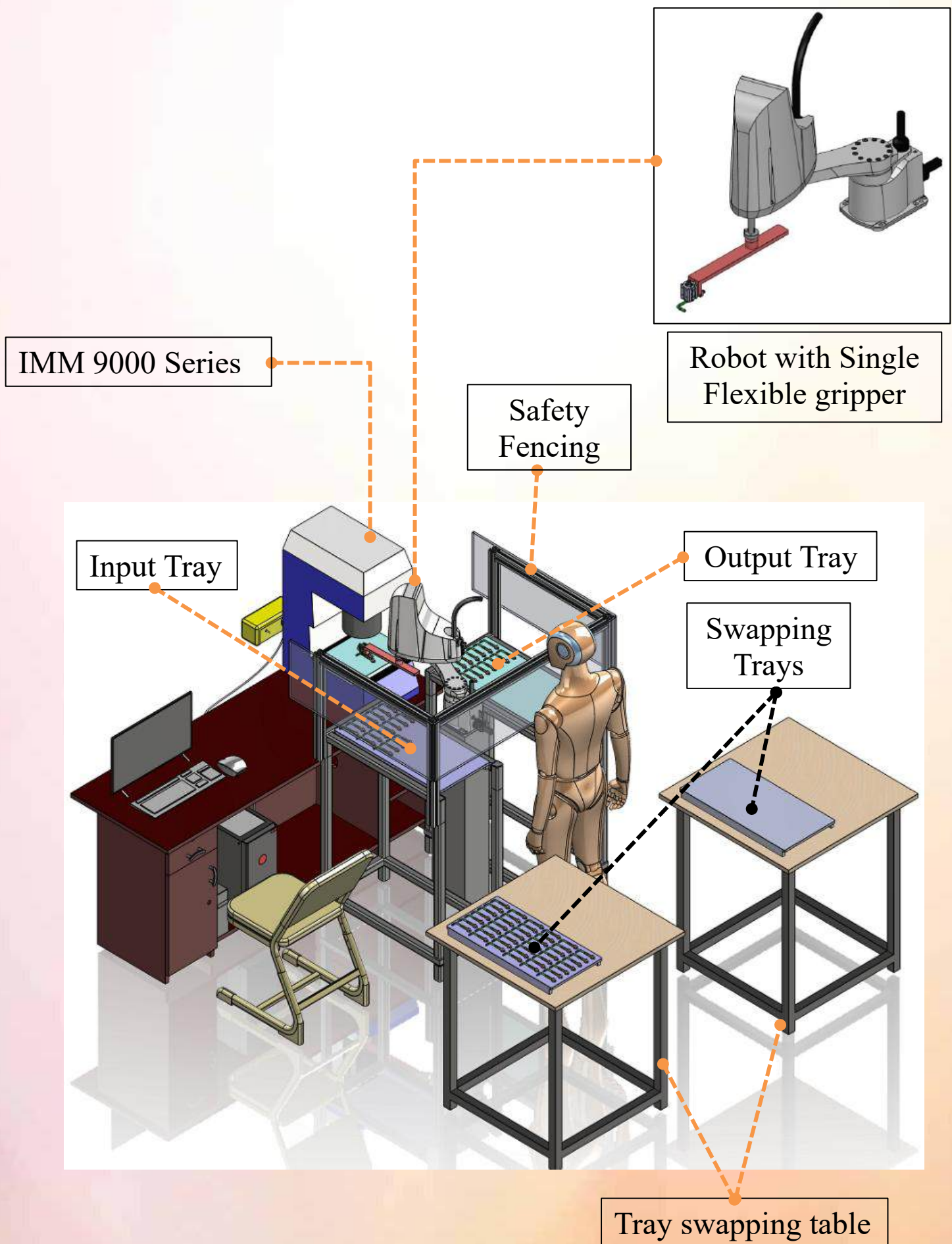
Configuration 2: Auto Tray Loading & Double gripper



HIGHLIGHTS

- Zentron Instant measuring Machine (IMM) for Component Inspection.
- Robot to load and unload component to IMM.
- Flexible Gripper to Handle different shapes of components.

Manual Tray Loading & Single gripper



SPECIFICATIONS

Product	Automated Inspection Machine Manual Tray Loading & single Gripper	
Output	Approx 5 Parts Per Min (Varies based on No: of measurements)	
Component weight	≤ 5 kg	
Component size	Single FOV (Field of view) Ø 90mm / Within 90x90 mm	Stitched Part 300 x 200 mm
	Part Height: Shall not exceed 75 mm.	
Idle Time of Robot and Inspection Machine in secs	Approx 30secs between trays	
Inspection method	Instant Measuring Machine (IMM) (*Refer Zentron Catalogue for IMM details)	
Component loading unloading	by Yamaha SCARA Robot	
Component input method	Manually Loaded into Input Tray	
Component output method	Manually Unloaded from Output Tray	
Electrical power supply	230V AC Input	
Pneumatics	4-5 Bar	
Working environment	10-40°C	

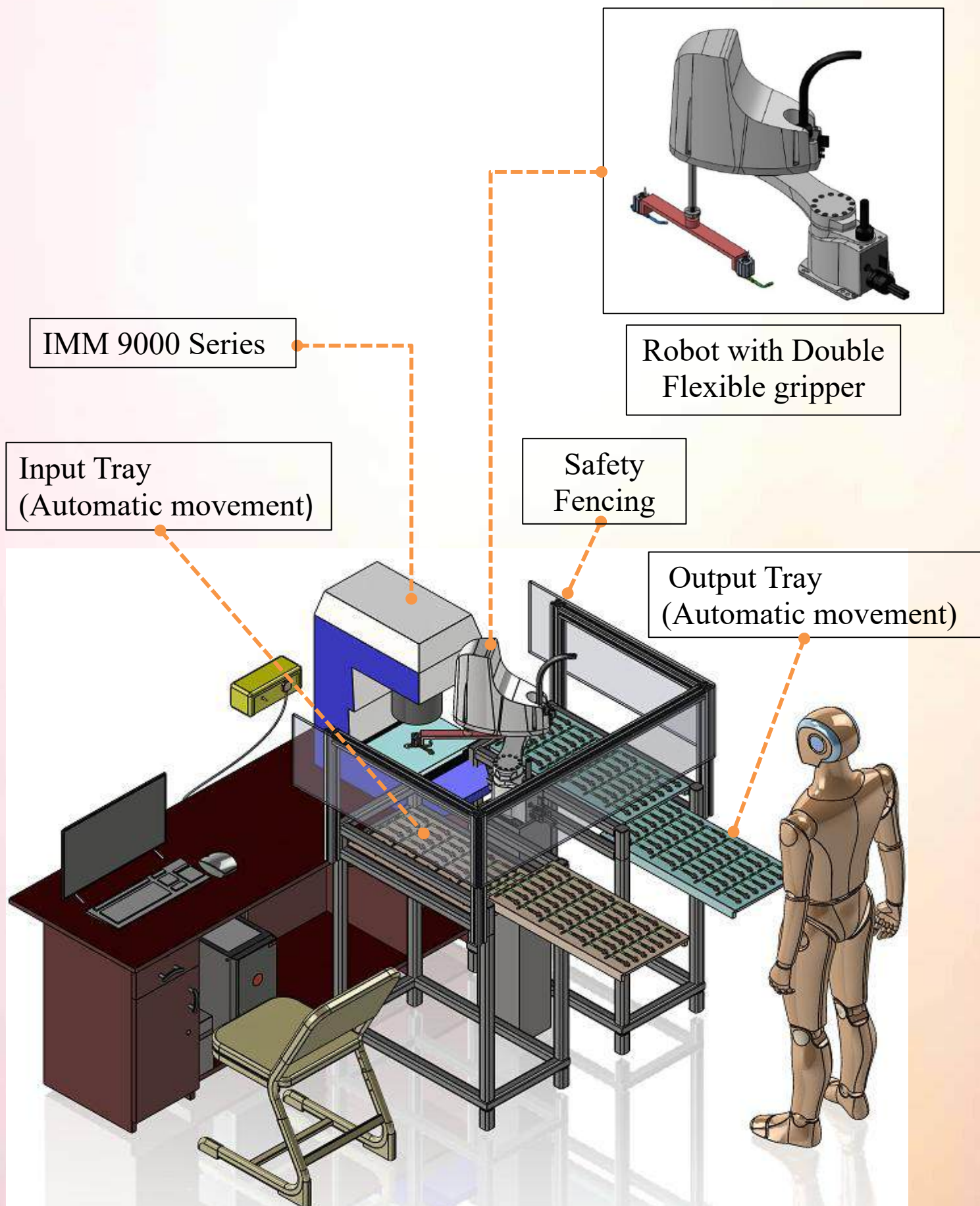
Key Features & Benefits

Features	Benefits
Micron-Level Accuracy	Ensures compliance for critical components
High-speed inspection	No production bottlenecks
Multi-part handling	Flexible manufacturing
Auto rejection system	Zero defective dispatch

Support & Services

Installation & commissioning
Training
AMC support
Remote diagnostics
Spare parts

Auto Tray Loading & Double gripper



SPECIFICATIONS

Product	Automated Inspection Machine Auto Tray Loading & Double Gripper	
Output	Approx 10 Parts Per Min (Varies based on No of measurements)	
Component weight	≤ 5 kg	
Component size	Single FOV (Field of view) Ø 90mm / Within 90x90 mm	Stitched Part 300 x 200 mm
	Part Height: Shall not exceed 75 mm.	
Idle Time of Robot and Inspection Machine in secs	Nil	
Inspection method	Instant Measuring Machine (IMM) (*Refer Zentron Catalogue for IMM details)	
Component loading unloading	by Yamaha SCARA Robot	
Component input method	Manually Loaded into Auto Input Tray	
Component output method	Manually Unloaded from Auto Output Tray	
Electrical power supply	230V AC Input	
Pneumatics	4-5 Bar	
Working environment	10-40°C	

Key Features & Benefits

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