



# Inline Tester Platform

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**PRODSF**  
TECHNOLOGIES

## Features and Benefits

- **Single stage, dual stage and double sided** contacting.
- **Optimized footprint for parallel testing** (as shown in the picture).
- **Flexible in-line solution**, optimal for **mass testing**: Compatibility with **multiple pallet sizes and DUTs**.
- **Easy** manual fixture exchange.
- 19" mounting space.
- **Easily integration** into the production line by Bosch TS2+ system.
- **TS2+ pallet transfer system** with stoppers and pallet lift.
- **Optional lower conveyor for empty pallet transfer** to the start point of the line.
- **BYPASS mode** when station testing the other DUT.
- **3-side contacting included** in the base setup /TOP, FRONT, REAR /
- **Optional upgrade for other directions** /BACK, LEFT, RIGHT/



## Applications

- Product testing
- In Circuit Test (ICT)
- Flash test handler
- Functional test handler
- End of Line testing

## Description

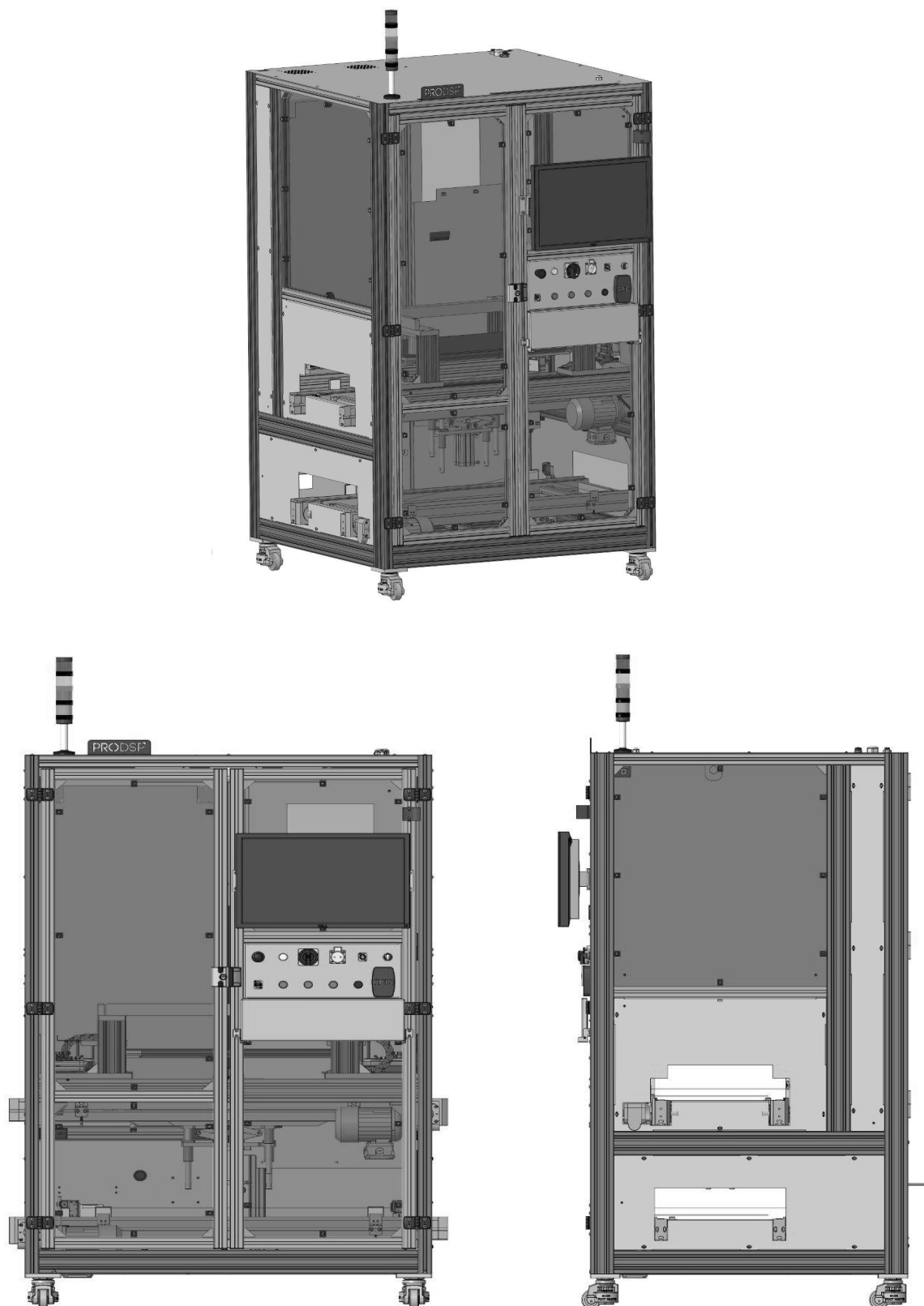
Automatic in-line tester platform for **panelized or depanelized, assembled or semi assembled DUTs** on pallet. Designed for **integration into conveyor-based production lines**.

This equipment supports seamless in-line operation, **with automated DUT** (Device Under Test) **handling, electrical and pneumatic interfacing**, and **software-controlled testing sequences**. It is able to perform a wide range of diagnostic procedures, including **power measurement, communication protocol validation** (e.g., CAN), **barcode verification**, and **functional tests** using an integrated set of high-end instruments.

It is fully equipped for integration with **Manufacturing Execution Systems (MES)**, enabling real-time data exchange between the test station and the central production control infrastructure.

## Technical Data

| Parameter                          |                                  | Value / Description     | Unit |
|------------------------------------|----------------------------------|-------------------------|------|
| Input electric power               | Nominal Input voltage            | 400                     | V    |
|                                    | Nominal frequency                | 50                      | Hz   |
|                                    | Number of phases                 | 3+N                     | -    |
|                                    | Full load current                | 3x16                    | A    |
| Machine Outer dimensions W × H × D |                                  | 1400 × 2200 × 1200      | mm   |
| Pallet geometry and weight         | Base system pallet sizes W x D   | From 400x400 to 480x800 | mm   |
|                                    | Additional pallet sizes W x D    | From 320x320 to 600x800 | mm   |
|                                    | DUT+Pallet max. Size W x D       | 600x800                 | mm   |
|                                    | DUT+Pallet height                | Up to 200               | mm   |
|                                    | Maximum DUT weight (with pallet) | 50                      | kg   |
| Rack mount                         | Rack mount                       | 19", 10 U               | mm   |
| Pneumatic input                    | Pneumatic pressure               | 6 to 10                 | bar  |
|                                    | Pneumatic fitting                | 6                       | mm   |
| Environmental conditions           | Operation temperature            | 10 to 27                | °C   |
|                                    | Storage temperature              | 0 to 50                 | °C   |
|                                    | Humidity                         | Max. 60                 | %    |
|                                    | Altitude                         | Max. 2000               | m    |
|                                    | IP rating                        | IP20                    | -    |
| Designed lifetime                  |                                  | 10                      | year |



*CAD render of the machine*

## Test Software

The Test Software is developed in **LabVIEW**, the Tester is **PC and PLC** controlled. The machine comes with Windows 10 and **Labview TestStand Debug Deployment Environment License**.

Tester PC functions:

- User authentication
- High level control of the system
- **MES communication** to the Customer's server
- Local test result database, online MSA evaluation
- **Test sequence execution** (TestStand/Python)
- UI visualisation, Instrument control
- **Maintenance screen** (manual operation, displaying all sensor states)
- Ware part counting, reset, show alarm on end of lifecycle
- Configure system parameters, test limits
- Manual debuggable control system, test system and test sequence
- **Remote update and the sequence development** with VPN connection

