Panasonic CONNECT



PGMA - Panasonic Guided Manual Assembly helps to enhance manual assembly

PGMA

GuidanceEnforcementKey Values Increase operator's efficiencyGet the assembly more reliableImprove product quality by higher yield TraceabilityMaterial ManagementFeaturesCentral storage of work flows and instructionsSharing and accumulate knowledge & know-howAvoid errors and increase motivationCost saving by reducing error factor Connection to MES and/or ERP systemProvide "just-in-time" required materials automaticallyManual assembly included in the reporting loopCost saving by more efficient production and material planning Typical use-cases for PGMA to guide & enhance are: Manual THT insertionManual mechanical assemblySemiautomatic screw & nut mounting with and without torque controlManual visual inspectionSemiautomatic testing and/or measurementManual product packing and labelling incl. weight control (optional)Training for any manual assembly & activityThe ROI (return of invest) period for PGMA implementation is typically much less than one year due to reduction of failures and mistakes, speeding up the assembly process and finally increase of user‘s motivation.

Key Features

- avoid any mistakes during assembly
- ensure an effective “zero-defect strategy”
- share knowhow by organizing work instruction and work flows
- introduce full traceability
- apply an effective end-to-end material management

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https://ap.connect.panasonic.com/sg/en/pgma

Controller as computer unit	for guidance setup & work instruction administrationas central data storageincl. hardware interfaces and control
Other	Connection to MES and/or ERP systemInterface to PanaCIM Material Control for „just-in-time“ material preparationPanasonic laser projector for visualizationHigh-resolution camera with high-intensity lighting as AOITouch Panel as GUI (General User Interface)Monitor for local reporting / traceability of production dataMaterial boxes with Pick2light functionalityBarcode readerWorkplace table incl. suitable holders and fixturesConveyer with SMEMA interface
Size	Typical size (depends on configuration): W x D x H = 1,0 m x 1,2 m x 2,80 m
Weight	(depends on configuration): 200 kg