



USING PRODUCTION DATA SMART

PIA INDUSTRIAL APP SUITE

Digitally mastering challenges in assembly line
operation and optimization.



PIA INDUSTRIAL APP SUITE

THE DIGITAL PACKAGE OF THE FUTURE

The PIA Industrial App Suite (piaIAS) is a modular software package and contains smart apps, to meet the challenges of assembly line operation and optimization. In developing the apps, the knowledge of custom machine builders – especially the know-how of PIA Automation – and customers from a wide range of industries were combined. It is thus a digital solution portfolio, that is perfectly aligned with customer requirements. Assembly and test systems can be analyzed worldwide, their weak points localised and their productivity optimised. It doesn't matter whether it is a single station or a complex interlinked assembly line locally on site or remotely at another location.

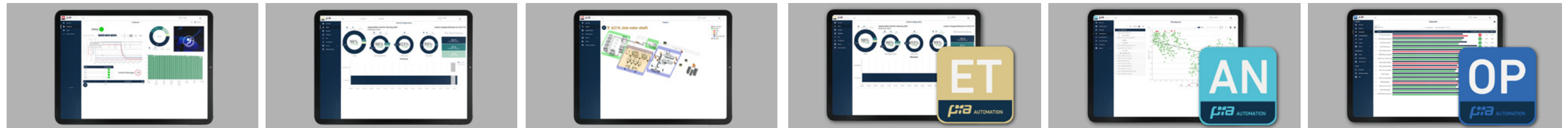
PIA's smart tools address different user groups with their features: They provide e.g. information for line workers, evaluations for shift managers and the maintenance team, or reports for management. All apps share the following advantages: (1) Increasing the degree of digitalisation of production, (2) future-proofing thanks to modular, expandable design, and (3) reduction of travel through location – and device-independent access.



THE 3 LEVEL OF SUCCESS



TARGET GROUPS	Production manager, Operator	Production Manager	Production Manager	Production Manager	Quality Manager	Production Manager, Optimisation Team
KEY- FEATURES	Dashboard for production data	Calculation and visualisation of the Overall Equipment Effectiveness	Visualisation and localisation of assembly line bottlenecks	Classification of errors, process disturbances and process interruptions	Analysis of measurement and process data	Analysis of cycle times and sub cycles
BENEFITS	Increasing the information base (transparency) through a global and flexible asset insight in real time	Reduction of costs due to the ability to react quickly to changes of key figures	Reduction of costs due to less time and personnel needed to locate bottlenecks	<ul style="list-style-type: none"> - Increase of availability at line and station level - Increase in output by avoiding standstills - Efficient use of existing assembly line capacity 	<ul style="list-style-type: none"> - Increase in the quality of production - Reduction of costs by avoiding rejects or increasing the OK rate - Avoidance of rework and thus increase in assembly line profitability 	<ul style="list-style-type: none"> - Increase in efficiency, output and thus assembly line profitability - Reduction of cost through earlier production start (short ramp-up phase) - Support of optimisation measures during operation



* Basic package: Basis for the use of the analysis tools

PIA BRANCHES

PRODUCTION, MEASUREMENT AND TESTING SYSTEMS FROM A GLOBAL AUTOMATION SPECIALIST

Evansville
USA

Toronto
CANADA

Bad Neustadt a.d. Saale/Amberg/Esslingen/Erfurt
GERMANY

Grambach-Graz
AUSTRIA

Ningbo/Suzhou
CHINA

Novaki-Zagreb
CROATIA

León
MEXICO

EUROPE

PIA Automation Holding GmbH
Theodor-Jopp-Straße 6
97616 Bad Neustadt a.d. Saale
Germany
T +49 (0) 9771 6352 - 1000
info@piagroup.com

PIA Automation Amberg GmbH
Wernher-von-Braun-Straße 5
92224 Amberg
Germany
T +49 (0) 9621 608 - 0
info@piagroup.com

PIA Automation Austria GmbH
Teslastraße 8
8074 Grambach/Graz
Austria
T +43 (0) 316 4000 - 0
info@piagroup.at

PIA Automation Bad Neustadt GmbH
Theodor-Jopp-Straße 6
97616 Bad Neustadt a.d. Saale
Germany
T +49 (0) 9771 6352 - 1000
info@piagroup.com

PIA Automation Croatia D.O.O.
Ulica Dr. Franje Tujmana 26
10431, Novaki (Sveta Nedelja)
Croatia
T +385 (1) 264 - 1771
info@piagroup.at

PIA Automation Service DE GmbH
Branch Erfurt
Stotternheimer Straße 37b
99087 Erfurt
Germany
T +49 (0) 361 26279 - 610
sales@piagroup.de

PIA Automation Service DE GmbH
Branch Stuttgart
Roentgenstraße 12/2
73730 Esslingen am Neckar
Germany
T +49 (0) 711 50482 - 841
sales@piagroup.de

NORTH AMERICA

PIA Automation Canada Inc.
355 Norfinch Drive
Toronto, North York, Ontario
M3N 1Y7
Canada
T +1 416 665 - 9797
sales@piagroup.ca

Office in Catalyst Commons
137 Glasgow St Unit 210
Kitchener, Ontario
N2G 4X8
Canada
T +1 519 497 6853
sales@piagroup.ca

PIA Automation US Inc.
5825 Old Boonville Highway
Evansville, IN 47715
USA
T +1 812 485 5500
info-us@piagroup.com

PIAMEX Automation
La Vid 107, Tablas de la Virgen
León, Guanajuato, C.P. 37140
Mexico
T +52 477 167 5042
piamex@piagroup.com

ASIA

Ningbo PIA Automation Holding Corp.
Building 4#
No. 99, Qingyi Road
Hi-Tech Park I Ningbo
Zhejiang Province
Post code: 315040
PRC
T +86 (574) 8749 - 7888
info-nin@piagroup.com

PIA Automation (Suzhou) Co., Ltd.
No. 12, Baiyu Road
Suzhou Industrial Park I Suzhou
Jiangsu Province
Post code: 215028
PRC
T +86 (512) 6818 - 9566
info-suz@piagroup.com

