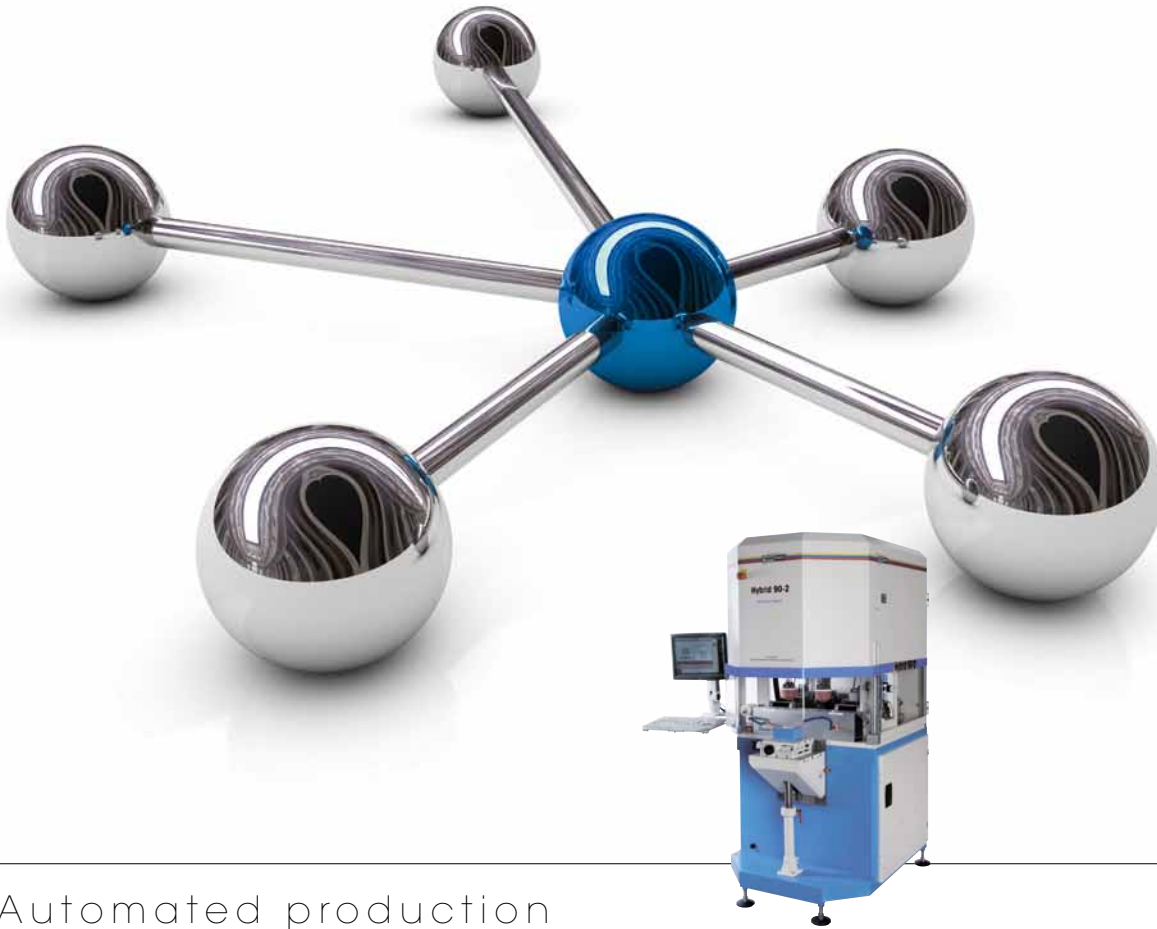


[SMART PRODUCT MARKING]

Software iTAMPOPRINT



- PAD PRINTING MACHINES
- ACCESSORIES
- SERVICE
- LASER SYSTEMS
- AUTOMATIONS

Automated production
Software iTAMPOPRINT &
Patented marking technology

ORIGINAL

TAMPOPRINT[®]

Pad Printing Machines
ALFALAS[®] Laser Systems
Automations

[TAMPOPRINT IS IMPLEMENTING NEW GUIDELINES]

Software iTAMPOPRINT & patented marking technology

TAMPOPRINT is implementing new guidelines of cross-linked pad printing of variable data onto various substrates and work-pieces of variable shapes.

This is made possible with the use of pad printing machines which produce their own clichés and the specifically developed iTAMPOPRINT software, as well as intelligent workpiece carriers.

We will show you how you can print or mark your products with variable and static data records, and at the same time achieve uninterrupted quality management, as there is no manual allocation of the work-pieces and image required. This completes the manufacturing process for all manufacturers of components, which cannot be coded or printed with traditional marking techniques.



ABB

The first implementation and testimonial was successfully executed for ABB, a company located in Switzerland. 5 single workplace solutions became unnecessary for the production of circuit breakers. Additional (Smart Pad Printing) process solutions were already ordered.



1. Detection: Number of circuit breakers



2. Detection: Printing on the lateral or front sides



3. Integrated in HYBRID 90-2

[SMART PRODUCT MARKING]

Intelligent & cross-linked marking



[SMART PAD PRINTING]

Construction example

Data records via scanner to the printing machine

A 2D Data Matrix Hand-Scanner will be directly connected to the pad printing machine HYBRID 90-2. Herewith the production order is scanned with 2D Data Matrix and forwarded to the

ITAMPOPRINT software.



Order entry / production data

Your data bank will directly be connected with the pad printing machine HYBRID 90-2 over Lan (local Area Network) or WLAN (Wireless Local Area Network), and the data records are then forwarded to the **ITAMPOPRINT** software.



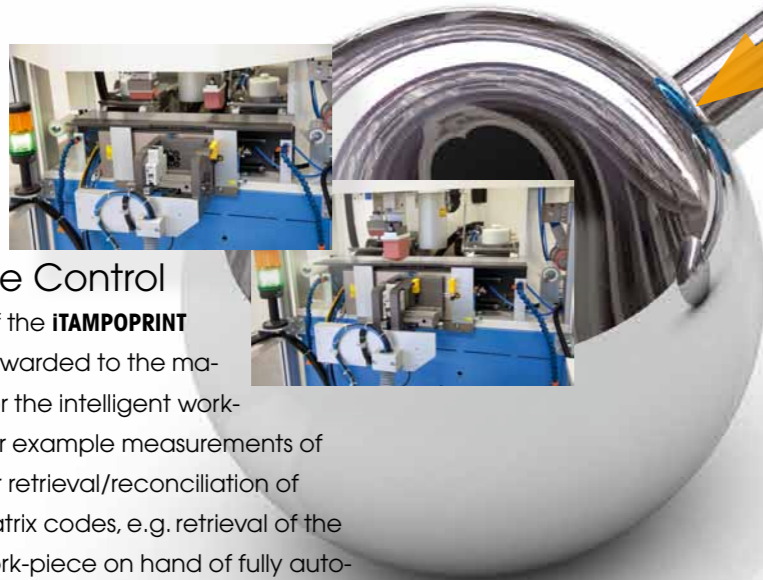
- Software



Work-Piece Station **ITAMPOPRINT** software data records are forwarded to the machine control for the pad print machine parameter fitting to the printing part selection.

The HYBRID 90-2 has an integrated PC (Windows 7), as well as installed **ITAMPOPRINT** software.

The **ITAMPOPRINT** software receives your production data and forwards them to your data records.



Work-Piece Control

Data records of the **ITAMPOPRINT** software are forwarded to the machine control for the intelligent work-piece carrier, for example measurements of a work-piece or retrieval/reconciliation of the 2D Data Matrix codes, e.g. retrieval of the appropriate work-piece on hand of fully automatic linked process solutions.

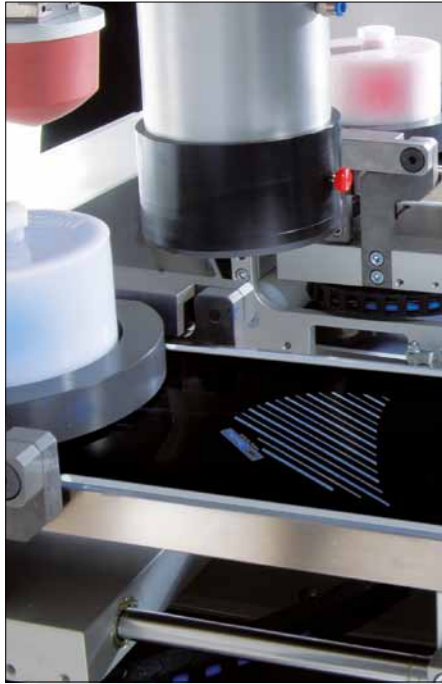


For image/printing cliché production/selection Data records of the **ITAMPOPRINT** software are forwarded to the integrated software TP_alfa® for the cliché production (laser engraving of print image in a specific printing cliché).

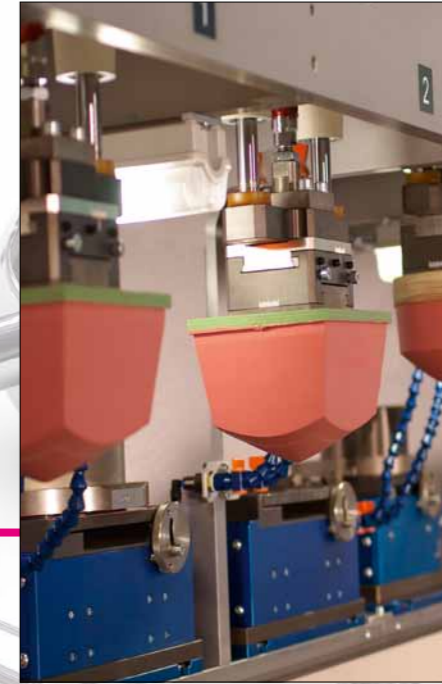
[SMART SOLUTIONS]

Intelligent marking technologies

Sending digital data
Endless integrated
cliché production



Flexible sizes and colours
Recalling of print units (print images)



Flexible sizes and colours
Machine types (print images)



HYBRID 90-2

- 1st Print unit with static data
- 2nd Print unit with variable data
- 1st and 2nd Print unit with variable data
- 1st and 2nd Print unit with different colour shades (suitable for components with different surface colour theme)
- 1st and 2nd Print unit with different ink types (suitable for components made of different materials, e.g. with different surface properties)



LINEAR MODUL 2010

Thanks to the variable axis control a guided, order related setting-up will be realised. Adjustment possibilities such as printing parameter, printing position as well as the sequence of the print image delivery via the iTAMPOPRINT software are read in a production data base and processed.

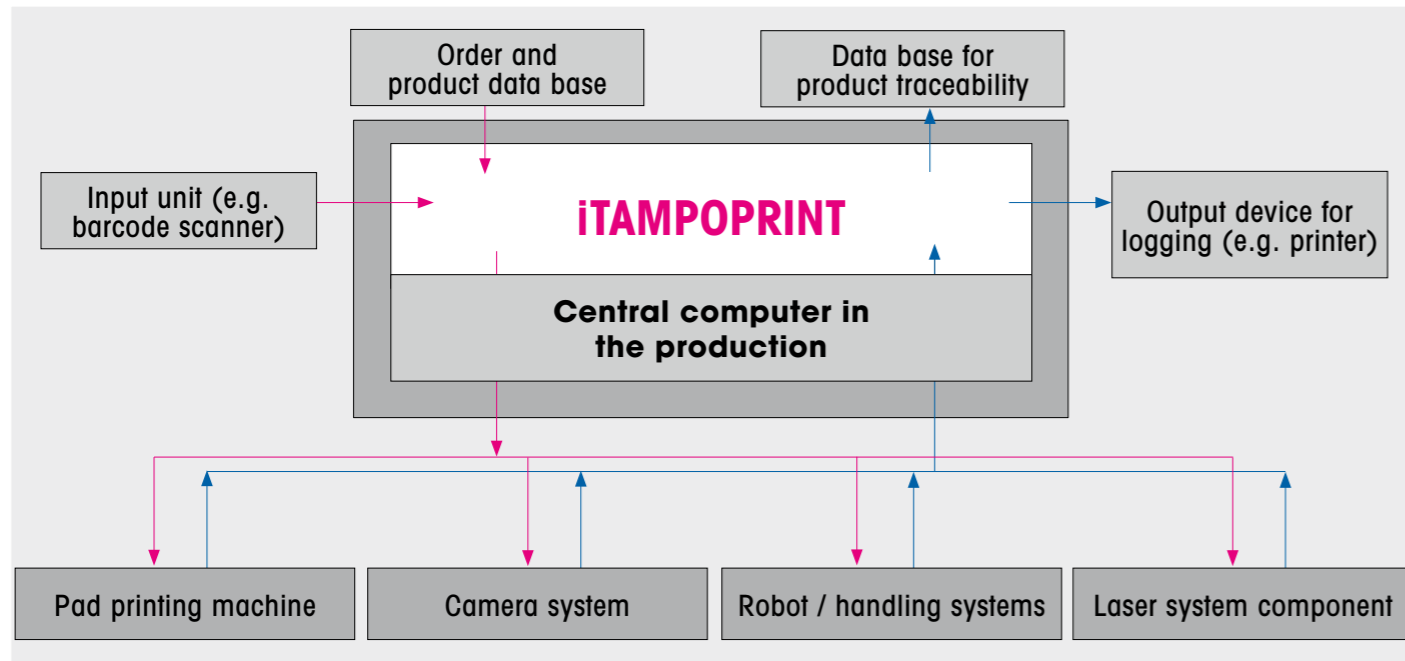
MODUL 2010

Static pad printing in combination with flexible laser marking. Variable laser marking data records are created from diverse external data sources via the iTAMPOPRINT software.

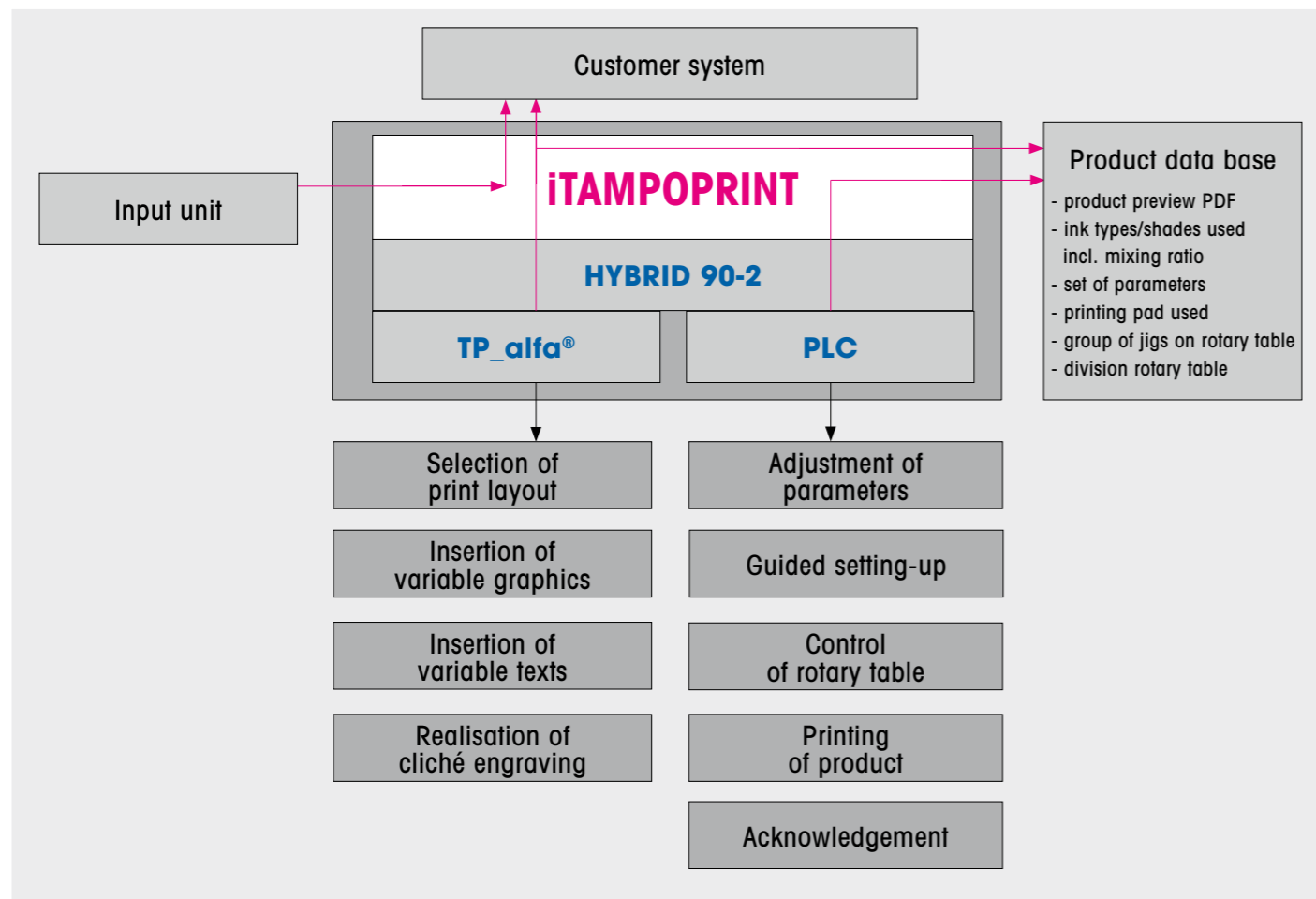


[SMART SOLUTION]

Intelligent production

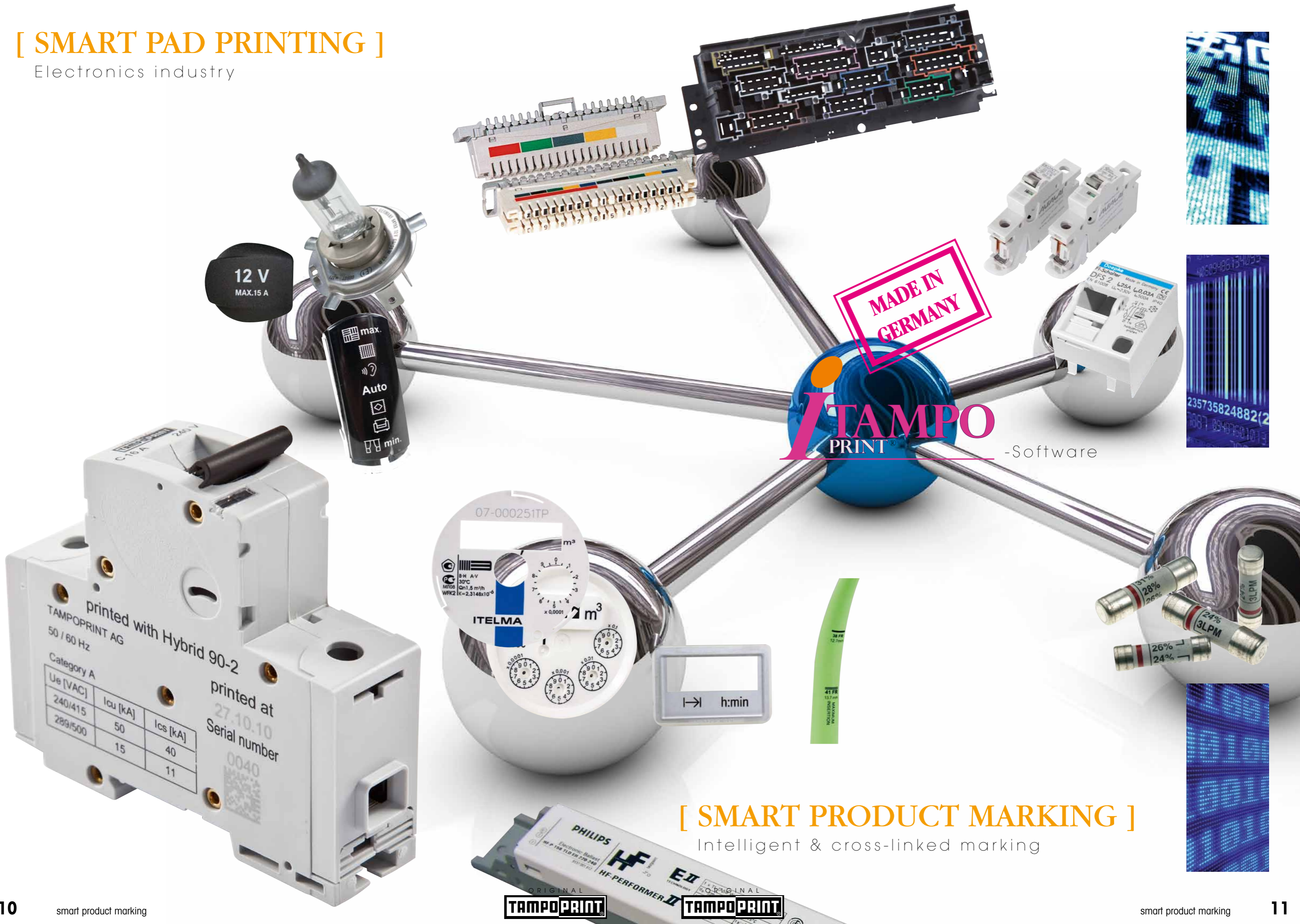


INPUT / START EVENT VIA:	DATA SOURCES COMBINATION OF SEVERAL POSSIBLE	OUTPUT COMBINATION OF SEVERAL POSSIBLE
Keyboard	MS Access	Laser system component
Barcode scanner	MS Excel	Camera system
Touch panel	SQL data base	Robot
Serial communication	Text file (e.g. *.csv, *.txt, *.xml)	Restoration in data source
Ethernet connection	ERP systems (e.g. SAP, Oracle, Microsoft)	Customised systems upon request
PLC	PLC	PLC
Signal	Camera	
Camera	BDE systems	
	Customised systems upon request	



[SMART PAD PRINTING]

Electronics industry



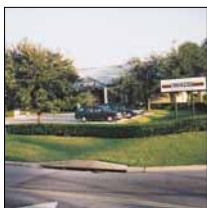
[SMART PRODUCT MARKING]

Intelligent & cross-linked marking

Headquarters



TAMPOPRINT Special machine construction since 1978



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subsidiary since 1994
www.tampoprint.com



TAMPOPRINT® IBERIA S.A.U., Spain
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TAMPOPRINT products are permanently updated to keep pace with the latest technological developments. For this reason, figures and descriptions are non-binding. Our machines are manufactured based on the currently valid European Machinery Directives as well as the European product standards EN 1010 - 1 and EN 1010 - 2.

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