Automated production
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.

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.
**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.

**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.

**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

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)

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)

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**

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**INPUT / START EVENT VIA:**
- Data Source
  - Combination of Several Possible

**OUTPUT COMBINATION OF SEVERAL POSSIBLE**
- Laser system component
- Camera system
- Robot
- Robot
- ERP systems (e.g. SAP, Oracle, Microsoft)
- Customised systems upon request
- PLC
- PLC
- Camera
- BDE systems
- Customised systems upon request

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**PRODUCT DATA BASE**
- Product preview PDF
- Ink types/shades used incl. mixing ratio
- Set of parameters
- Printing pad used
- Group of jigs on rotary table
- Division rotary table

**Adjustment of Parameters**

**Guided setting-up**

**Control of rotary table**

**Printing of product**

**Acknowledgement**

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**ITAMPOPRINT HYBRID 90-2**

**TP_alfa®**

**PLC**

**Input unit**

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**ITAMPOPRINT**

**Customer system**

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**Pad printing machine**

**Camera system**

**Robot / handling systems**

**Laser system component**

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**Order and product data base**

**Data base for product traceability**

**Output device for logging (e.g. printer)**
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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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