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NEWS

technologies for your future
made in germany

AUTOMATION

Highlights

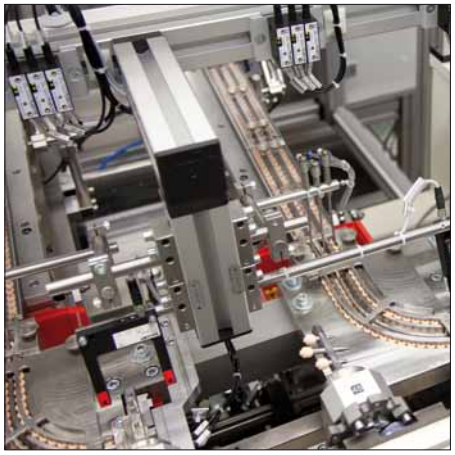
- Up to 24.000 parts/h ..... ✔
- Front and rear sides of the parts are printed in one working process ..... ✔
- 2x 180° turning jig carriers equipped with 6 expanding mandrels each ..... ✔
- Easy to maintain thanks to central lubrication with preselectable lubricating intervals (PLC) ..... ✔
- Machine availability (>98%) ..... ✔
- Changeover time of the 12 "Rapid 2000/60-1" less than 20 minutes ..... ✔
- Only 1 operator necessary ..... ✔
- This fully automatic machine is operated via a slewable touch-screen ... ✔

Reference Toy Industry

This high-performance tampon printing line for a world-famous toy manufacturer

is equipped with 12 tampon printing machines from the series "Rapid 2000/60-1" and achieves an output of 24.000 printing parts/h.

Partial view: infeed



Partial view: printing parts feeding

12 tampon printing machines "Rapid 2000/60-1"

Technical data

High-performance fully automatic machine for the toy industry	
Output:	up to 24.000 parts/h
Component:	toy heads
Material:	ABS, PC
Machine series:	12x Rapid 2000/60-1 externally driven
Number of colours:	12 tampon printing inks
Consumption values:	Power: 13 kw/h Air: 2.300 NL/min.
Ink type:	Tampon printing ink R (EN 71)
Ink shades:	12x free selection
Tampon:	Special tampon
Maintenance intervals:	controlled by PLC
Service life:	>10 years
Machine Regulation:	EG Regulation Machines 2006/42/EG, Appendix II, Part 1A

Technical description

This high-performance tampon printing line for a world-famous toy manufacturer is equipped with 12 tampon printing machines from the series "Rapid 2000/60-1". The toy parts are printed with 6 colours on the front and rear sides in one working process. The drive of the 12 "Rapid 2000/60-1" takes place via a central shaft with servo-motor synchronously to the cycle conveyor (drive via servo-motor) which is equipped with indexed band plates.

The fully automatic feeding with unprinted toy parts is carried out via a mechanical infeed (drive via servo-motor), completed by two vibratory feedings with a total of six feeding rows. Then the printing parts are pressed onto the turning jig carriers, cycled to the 12 tampon printing stations (Rapid 2000/60-1) and printed.

The printing takes place on the front and the rear sides of the printing parts. This was made possible thanks to the turning jig carriers (2x 180°) and movable mechanical turning cams.

Thanks to the six-fold use (6 expanding mandrels per turning jig carrier) and 4.000 cycles/h a capacity of 24.000 printing parts/h is achieved.

The after-treatment (drying of the printing ink) has been realised using a combination of hot and cold air drying.

The mechanical discharge of the ready printed parts takes place at the bottom side of the cycle conveyor.

Dealer:

ORIGINAL TAMPOPRINT®

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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