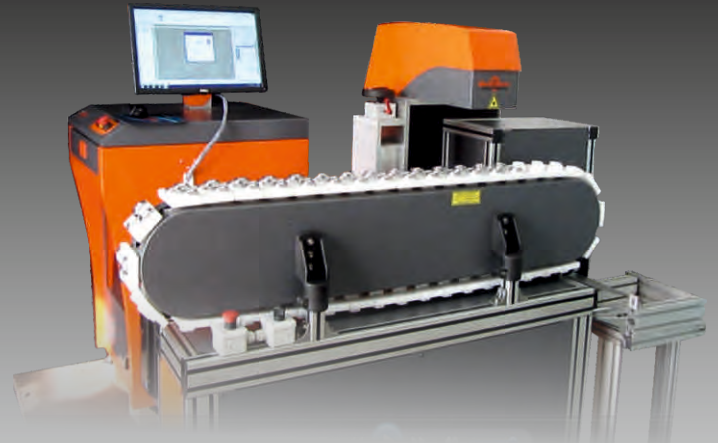


LASER & TAMPON PRINTING
SYSTEM SOLUTIONS





LASER MACHINES FOR CURVE, STEP MARKING / 3D / 2½D ENGRAVING ON BIGGER AREA

Features

- For Step, cylindrical, curve marking and deep Engraving on complex curved surfaces.
- One of the few Engraving CNC lasers in India.
- Z position adjusted optically for precision & efficiency without any mechanical movement of part resulting in high quality productivity.
- The Laser beam has a very small spot size giving precise and sharpest image marking.
- Marking on curved/ round surface of metals for large areas upto 250X250 mm without a rotary motor.
- Ideal for curved/contoured path engraving.
- Highest safety and ergonomic standard. Class 1 cabinet.
- CE marked.

Advantages

- Special CAD/CAM software support for complex engravings on curved surfaces of tool and die molds used in various industries.
- Can texture large areas (200mm x 200mm - 600mm x 600mm).
- Suitable for individual, small or medium sized production runs.
- Available in 50/70 Watt variants.



3-Dimensional laser engraving on flat & curved dies.

LASER MACHINES WITH AUTOMATIC LINEAR INDEXING

Features

- Linear indexing system on a conveyor marking 3 parts at a time at speeds upto 4000 parts per hour.
- The semi-automatic machine shows laser marking of bulb caps used in automotive industry.
- Manual Loading from either side possible.
- Gravitational unloading.

Advantages

- Custom built solution.
- Lesser space requirement due to its ergonomic design.
- 2 years warranty.
- Online Sequential & encrypted code marking on Linear Barcodes and 2D codes (like Code 128, EAN/UPC symbology family, ITF14, DataBar, Data Matrix & QR code).
- More options of barcode reading, vision system etc. can be incorporated into the machine on request.



Examples of sequential marking on bulb cap & phone cases.



COMBINATION- LASER MARKING & TAMPON PRINTING



Features

- Combination of Two technologies in 1 machine.
- Markolaser- Laser machines can mark the highly polished chrome surface without damaging the laser head.
- Tampoprint - PAD PRINTING machines can color the laser marked parts precisely at the same point, print after print, each time.
- Featured machine engraves on the bath faucets for color filling of red and blue colors precisely on the etched area, by pad printing technique.
- Class 1 user safety.

Advantages

- Merging of two technologies in a single machine saves:-
 - * Space * Energy * Processing Time * Resources And Money.
- The combinations are highly customizable agreeing with the production requirements in terms of:-
 - * Number Of Indexing Stations * Pre And Post Treatments * Speed
 - * No Of Colors To Be Printed * Flexibility Of Automations * Indexers (Linear, Rotary)



Combination of Laser marking & Pad printing on bathroom faucets for marking of logo & printing of red and blue color.

COMPLETE SYSTEM SOLUTIONS- UV MARKOLASER MACHINES WITH TAMPON PRINTING TECHNOLOGY.



Features

- Combining of UV Lasers with Pad printing machines in 1 system.
- Modular ergonomic design and flexible machine concept.
- Featured machine shows UV laser etching of specifications, details etc. and Pad Printing of logo for branding on MCBs made of Nylon 66, 60% glass fibre fill.
- Class 1 cabinet for user safety.

Advantages

- Possibility of integration of UV lasers, green IR lasers, Pico lasers, Femto lasers, fibre lasers etc.
- Possibility of selection of 1-6 color pad printing machines for different area sizes.
- Ideal for nylon, delrin, pbt etc, where other laser machines do not act easily.
- Excellent customised concepts for bath fitting industry for laser cleaning, pad printing and curing treatments available.
- Cold laser marking on plastics like glass filled polymers.

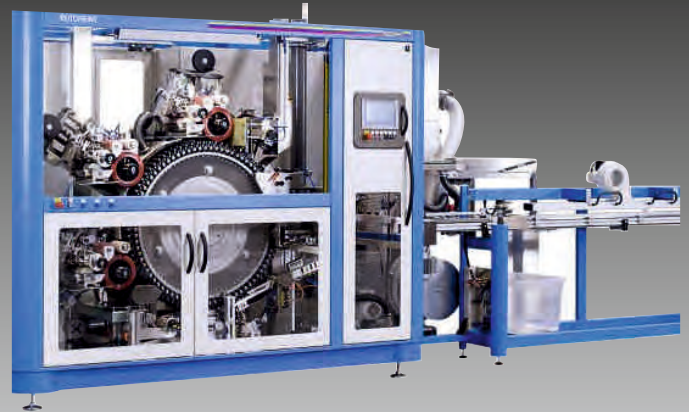


Temperature control automotive knob printing of blue & red color with laser marking of the text.

1 color printing of logo & laser marking on specs on MCB.



CONCENTRA 90-6



THE ROTOPRINT



CONCENTRA 90-6 COLORS

Features

- Multi-coloured printing on a round indexer.
- 1-6 colors on 1-6 different positions.
- High speed due to electro pneumatically driven doctor blade unit.
- Modular design and flexible machine options.
- Processes like ink pickup, ink transfer and ink residue pick up system, take place simultaneously resulting in very high performance.

Advantages

- Excellent as standalone but can be semi or fully automated for wide range of applications.
- Optional Rotary indexing table T2, T4, T150 available.
- Very good accessibility from all 4 sides.
- The further developed CONCENTRA 90-6, in combination with INTAGLIO pad printing system allows-precision designed printing without set up-even in photographic quality.
- Optional XY cross table and module linear axis also available.



1-6 color printing on Metals & Plastics.

FULLY AUTOMATIC CLOSURE PRINTING MACHINE

Features

- Printing of upto 3000 beverage Closures & Caps in 3 colours (28-42 mm diameter) each minute.*
- Compact ergonomic design with very high performance meets apical quality requirements of this industry.
- Tampoprint's rotary pad printing automations offer topmost print precision with print image registration accuracy of $\pm .15$ mm on convex, round or flat parts in 1 or many colors.*

Advantages

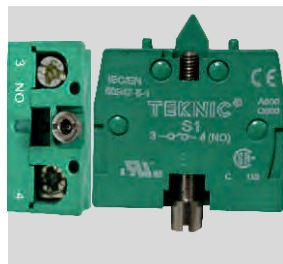
- The feeding for all types takes place by means of the proven sorting elevator. This avoids unwanted stoppages of the machine resulting in highest quality print at maximum speed.
- The ROTOPRINT is the most cost-effective solution for bottle cap printing with outstanding quality features and maximum performance meeting the highest closure decoration standards.
- Multiple use due to flexible conversion to different substrate sizes and shapes.
- Tampoprint Pad printing machines can be integrated with Laser marking machines to mark on the fly- Bottle caps for promotional campaigns. The data can be fetched online and each closure can be laser marked uniquely on the inner side for special events and marketing.

*Depending on the equipment



1-6 color closure printing.

SAMPLE GALLERY



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