

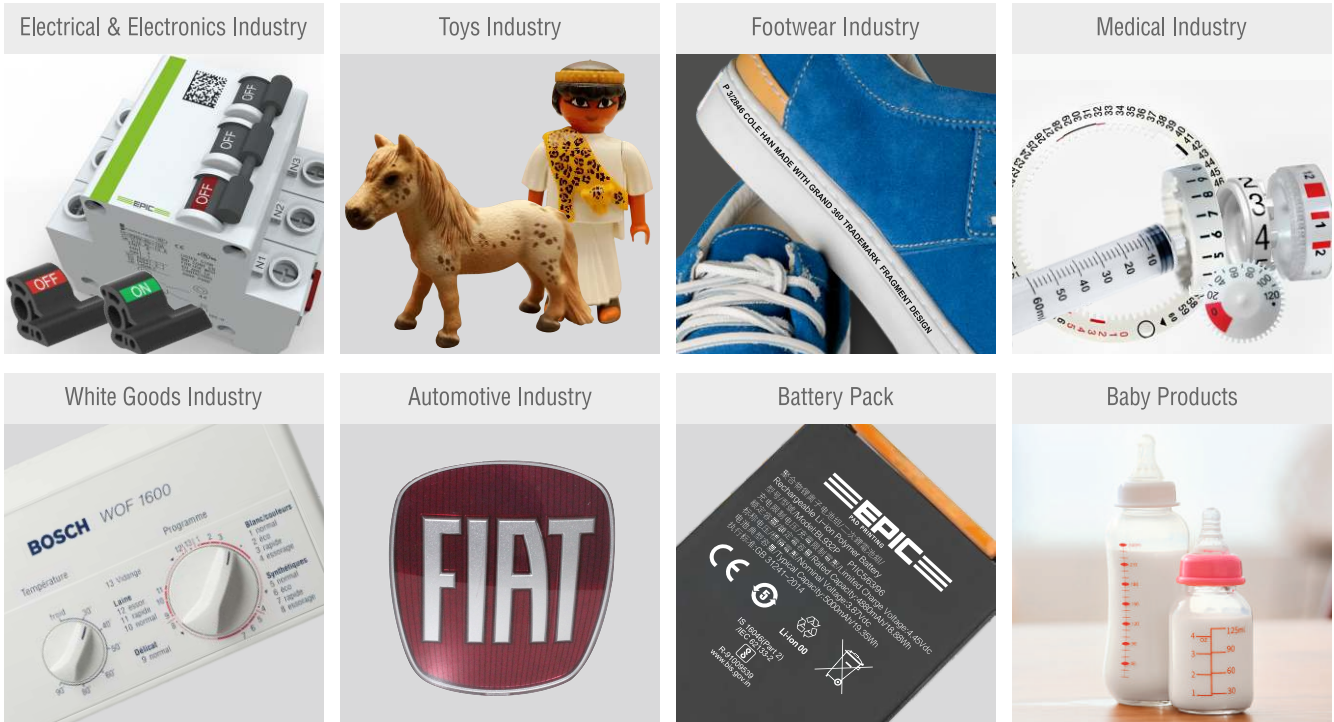


GREEN MACHINES FOR SUSTAINABLE FUTURE

Brand quality at fair price

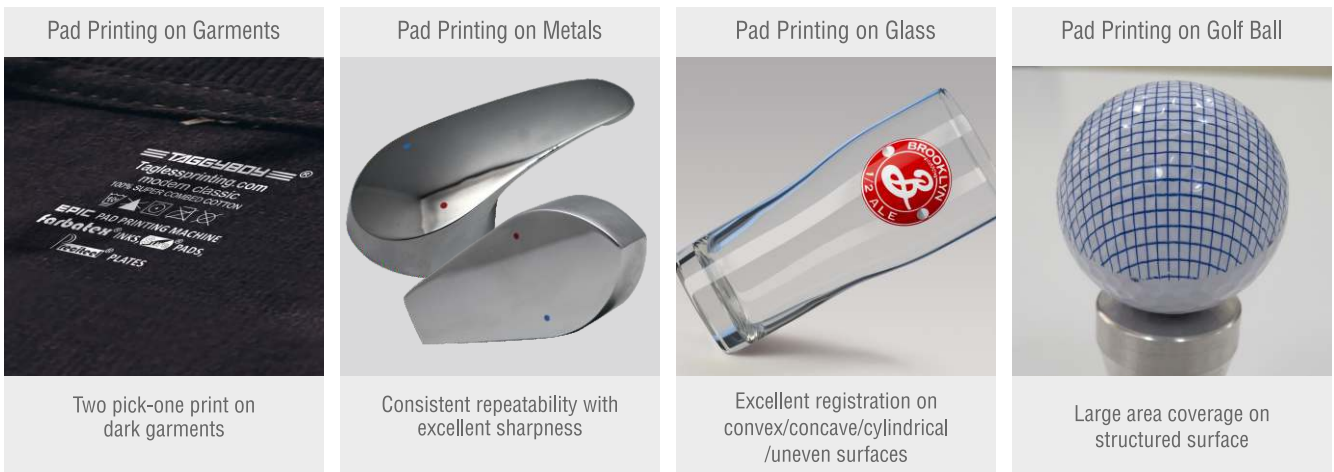
Easy integration into automations

EPIC Pad Printing Machines are a range of European-inspired equipment with sleek and efficient designs, specifically tropicalized for the Asian environment. These machines are engineered for high energy efficiency and occupy minimal space, yet deliver outstanding performance in terms of speed, pressure, and accuracy, whether for single or multiple prints. They can easily integrate into automation systems via D-SUB 37 PINS and offer a wide range of options, including indexers, pre- and post-substrate treatment modules, ink residue pick-up modules, viscosity measurement, and thinner metering pumps. If you're seeking a solution that delivers exceptional results with the efficiency and precision demanded by the industrial sector, EPIC Pad Printing Machines are the perfect choice.



Salient features & advantages

- Compact, simple and environmental friendly machines.
- Non-magnetic ink cup rings of 80 HRC hardness of tungsten carbide or high-tech ceramic as an alternative. Ring can be changed once worn off.
- Electro-pneumatic drive with PLC control and finger touch HMI from Europe.
- Low energy consumption.
- 37-pole automation interface allows addition of indexers, etc.
- Excellent and precise registration of image, each and every time. Thanks to its high end milled parts in very hard & tempered metals.
- High speed with sharp printing.
- Low ink consumption - Start with ink mixture as low as 15 grams (60 cup).
- Highest tampon pressure in a similar sized machines to use 22 shore A silicone rubber pads. Generally harder pads give better print quality.
- Multi print functions: Two pickups one print or just a cycle of two, three prints lets you print on dark and/or absorbent surfaces.
- Variable contact pressure on ink cup to reduce friction on cliché.
- All critical components from EUROPE.



Two pick-one print on dark garments

Consistent repeatability with excellent sharpness

Excellent registration on convex/concave/cylindrical/uneven surfaces

Large area coverage on structured surface

Standard Pad Printing Machines

EP - 60



EP - 90



EP - 130



Other Models

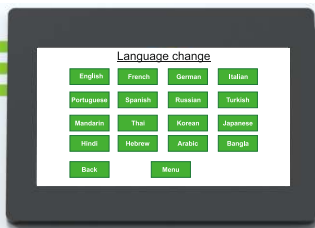
EP - 60-2 Color



EP - 90-2 Color



EP - 130-2 Color



Multilingual HMI Mode

English, French, German, Italian, Portuguese, Spanish, Russian, Turkish, Mandarin Thai, Korean, Japanese, Hindi, Hebrew, Arabic & many more.

Optional Model



TCS - Tape Cleaning System (Optional)

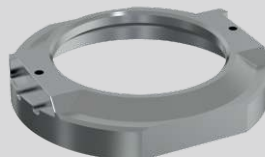
Our new and improved programable Tape Cleaning System is designed to remove ink residue and dust from the pad surface, ensuring consistent and accurate printing. It is a valuable addition for industries that require precise and multiple prints.

Accessories

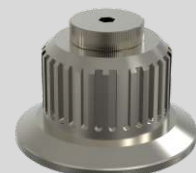
Quick Change Over System



Pressure Ring



Non-magnetic doctoring Ink Cup Made of Tungsten Carbide



Scope of Supplies

Paper cups(2), Assembly table, Gripping tongs, Ink/doctoring cup, Pressure ring , Pad coupling, Printing pad(1), Foot switch, Tool kit, Manual

Accessories (Optional)

Machine stand (DIY), x/y cross support for pad, Jigs, Rotary index table 2/4/6 stations
Magnetic holder plate (to hold thin cliché), Magnetic cliché, Tape cleaning system (TCS), Plates (Cliché), Inks, Tape, Pads

ELECTRO-PNEUMATIC INK CUP SERIES

| Technical Features | Units | EP 60 | EP 90 | EP 130 |
|---|----------|----------------------|--------------------|----------------------|
| 1. Part no. | | 160 000 | 190 000 | 130 000 |
| 2. Ink doctoring cup | Φ mm | 60 65* | 90 95* | 130 135* |
| 3. Cliché size | mm | 70x140 | 100x215 | 150x300 |
| 4. Print image size max. | mm | Φ 55 (38 x 38) 60* | Φ 85 (60x60) 90* | Φ 125 (88x88) 130* |
| 5. Single cycle | | Yes | Yes | Yes |
| 6. Multiple printing double/ triple | | Yes (Programmable) | Yes (Programmable) | Yes (Programmable) |
| 7. Continuous run | | Yes | Yes | Yes |
| 8. Cycle counter | | Yes | Yes | Yes |
| 9. Number of cycles (in continuous single run) | cycles/h | Up to 2000 | Up to 1600 | Up to 1250 |
| 10. Pad stroke onto cliché | mm | 20-50 | 30-70 | 35-80 |
| 11. Pad stroke onto work piece, variably adjustable | mm | 20-80 | 35-100 | 25-120 |
| 12. Pad installation height max. | mm | 66 | 100 | 120 |
| 13. Force of pressure | N | 750 | 1200 | 3000 |
| 14. Variable speed control | | Yes | Yes | Yes |
| 15. Precise X-Y-Z-R table | | Yes | Yes | Yes |
| 16. Noise emission | dB (A) | 75-85 | 75-85 | 75-85 |
| 17. Length | mm | 600 | 702 | 925 |
| 18. Height | mm | 535 | 670 | 850 |
| 19. Width | mm | 250 | 300 | 420 |
| 20. Weight* (net/gross) | kgs | 50/60 | 80/100 | 140/170 |
| 21. Drive | | Electro-pneumatic | Electro-pneumatic | Electro-pneumatic |
| 22. Control | | PLC | PLC | PLC |
| 23. User interface HMI | | 4" | 4" | 7" |
| 24. Connected load | kW | 0.2 | 0.2 | 0.2 |
| 25. Prefuse | | 6A | 6A | 6A |
| 26. Power supply (special voltage on request) | | 230 V 1/N/PE | 230 V 1/N/PE | 230 V 1/N/PE |
| 27. Power frequency | Hz | 50-60 | 50-60 | 50-60 |
| 28. Control voltage | V/DC | 24 | 24 | 24 |
| 29. Air consumption/cycle | NL | 3 | 5.7 | 17.5 |
| 30. Pneumatic supply with fine filter 5 um | Bar | 6 | 6 | 6 |
| 31. Tape cleaning system (TCS) | | Optional | Optional | Optional |
| 32. Indexing module | | Optional | Optional | Optional |
| 33. DIY Stand (Do it Yourself) | | Optional | Optional | Optional |
| 34. Air shower | | Optional | Optional | Optional |
| 35. Global Language HMI - Default English | 27 | Yes | Yes | Yes |



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