1. General Technical Specification for Device for Hot foil stamping, embossing and die-cutting.

Required technical parameters

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| **Nr.** | **Required technical parameters:** | | **The declaration of the Contractor that it meets the requirement:** |
| 1 | Pressure of the press   * minimal 150 tons (i.e. pressure higher than 150 tons is acceptable) * Flatbed design | | [YES / NO] |
| 2 | Sheet feeder   * Minimal pile hight 1000 mm (incl. pallets) * sheet register system * adjustable sheet arrival time | | [YES / NO] |
| 3 | Sheet delivery   * Minimal pile hight 800 mm (incl. pallets) * Possibility to retrieve one sheet for the quality inspection | | [YES / NO] |
| 4 | Application of minimal 5 foil webs of non-registered holograms in direction of sheet travel with necessary rewinders and steering devices | | [YES / NO] |
| 5 |  | Foil width minimal 25 – 805 mm | [YES / NO] |
| 6 | Core 1” and 3” for each foil web | [YES / NO] |
| 7 | Application of minimal 5 foil webs of registered holograms in direction of sheet travel with necessary rewinders, steering and fine adjustments devices. | | [YES / NO] |
| 8 |  | For foil width min. 25 – 45 mm – 2pcs | [YES / NO] |
| 9 | For foil width min. 25 – 60 mm – 5 pcs | [YES / NO] |
| 10 | For foil width min. 25 – 120 mm – 2 pcs | [YES / NO] |
| 11 | Core 1” and 3” for each foil web | [YES / NO] |
| 12 | Register hologram mark scanning device – 5pcs | [YES / NO] |
| 13 | Additional spare sensor to hologram register – 2psc | [YES / NO] |
| 14 | Foil to print register +/- 0,1 mm | [YES / NO] |
| 15 | Hologram application to match foil stamping accuracy 100% within +/- 0,5 mm in sheet-fed direction | | [YES / NO] |
| 16 | Handling of minimal 3 transversal foil feeds with necessary rewinders and steering devices | | [YES / NO] |
| 17 |  | Foil width min. 25 – 485 mm | [YES / NO] |
| 18 |  | Core 1” and 3” for each foil web | [YES / NO] |
| 19 | Adjustable dwell time under pressure up to 2 sec | | [YES / NO] |
| 20 | Ready to use for die-cut | | [YES / NO] |
| 21 | Ready to use for kiss-cut | | [YES / NO] |
| 22 | Ready to use for blind embossing | | [YES / NO] |
| 23 | Minimal range of processable sheet format 297x210 – 870x600 mm | | [YES / NO] |
| 24 | Minimal range of processable uncoated substrates   * grammage 70 – 400 gr/m2   Substrate can be refined by   * Offset printing * Digital printing * Intaglio printing * Screen printing | | [YES / NO] |
| 25 | Stamping area - 800 x 590 mm (minimal) | | [YES / NO] |
| 26 | Adjustable temperature up to 180°C *(i.e. adjustable temperature higher than 180 °C is acceptable)* | | [YES / NO] |
| 27 | Minimal 12 Individually controllable heating zones | | [YES / NO] |
| 29 | Mechanical speed minimal 5500 sheets/hour | | [YES / NO] |
| 30 | Foil stretch compensation | | [YES / NO] |
| 31 | Sheet register system | Maximal gripper margin 6 mm | [YES / NO] |
| 32 |  | Push and pull side lay (on both sides) | [YES / NO] |
| 33 | Front lays adjustable during running production | [YES / NO] |
| 34 | Ionisation unit on feeder and delivery | | [YES / NO] |
| 35 | Honeycomb base plate for 7mm dies – 2 pcs  Honeycomb base plate for 7mm dies for kiss-cut application – 1 pc  (for VISA Stickers production)  Toggle hooks to fix the stamping dies on Heneycomb – 200 pcs (evenly mixed all minimal 4 dimensions) | | [YES / NO]  [YES / NO]  [YES / NO] |
| 36 | Control system of the machine   * Industry 4.0 ready * Saving of jobs and job data history checking | | [YES / NO] |
| 37 | Minimal controls sensors or monitoring equipment   * Double sheet detector in the feeder * Early sheet or missing sheet detector * Foil break detector for each foil webs * Pressure control. | | [YES / NO] |
| 38 | CE conformity for using in EU | | [YES / NO] |
| 39 | The load capacity of the floor at the installation site is 1500 kg/m2, however, to meet this condition, a static and dynamic assessment according to Art. 17.6. of the tender documentation will be decisive.  During the delivery and installation of the Device, the supplier is obliged to ensure the distribution of forces in the supports of the Device corresponding to the above-determined floor load capacity of the installation site, according to the static and dynamic assessment (Art. 17.6 of the tender documentation). If any technical solution will be necessary to ensure this condition (e.g. by supporting the Device, load distribution elements, grate or load distribution frame), the supplier shall propose such a solution, including its technical specification, and include it in its tender. The proposed measures shall be implemented by the supplier before and during the delivery of the Device. | | [YES / NO] |

**The supplier fills the cells marked in yellow**. To fulfil the tender conditions, the supplier must fill “YES” in each item. If “NO” will be filled in any of the items, the tender conditions will not be fulfilled, and the supplier will be excluded.