1. General Technical Specification and other project implementation requirements for Device for Manufacturing Passports according to ICAO standard 9303, including numbering

Required technical parameters

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| **Nr.** | **Request of the Contracting Authority:** | | **The declaration of supplier that it meets all the requirements of the Contracting Authority:** |
| 1. | The device must be suitable for Manufacturing Passports (booklets) according to ICAO standard 9303 with up to 64 pages including laser numbering. | | [YES / NO] |
| 2. | 8 Feeder Units with an additional Manual Infeed including 8 Print Mark Readers. | | [YES / NO] |
| 3. | Application of Reinforcement Tape with alignment beforehand (268mm width, 250m winding length, 70mm core) and subsequent checking for thickness to determine the tape presence. | | [YES / NO] |
| 4. | Feeding of Polycarbonate Data Card in upright position (vertical);  Thickness of Data Card up to 1 mm; Data page Mark Reader. | | [YES / NO] |
| 5. | Feeding of thinner materials than PC Data Cards, e.g. heat-seal laminates, self-adhesive laminates (thickness ≥ 0,1 mm). | | [YES / NO] |
| 6. | Chip reading and checking for thickness to determine the PC Data Card presence (adjustable for various thickness). | | [YES / NO] |
| 7. | Reject of layers being recognized as faulty (everywhere where applicable). | | [YES / NO] |
| 8. | Fixing of Position of Polycarbonate Card and the paper pages before further processing without using additional consumable materials. | | [YES / NO] |
| 9. | Aligning and trimming of sheets on the long edge before stitching | | [YES / NO] |
| 10. | Interlock Stitching | | [YES / NO] |
| 11. |  | programable stitch length | [YES / NO] |
| 12. | programable number of back stitches | [YES / NO] |
| 13. | layers must be securely fixed during stitching | [YES / NO] |
| 14. | securing the thread end by additional stitch at the beginning and the end of the seam | [YES / NO] |
| 15. | upper thread breaking and thread end control | [YES / NO] |
| 16. | automatic control of tightening of the stitch and checking UV fluorescence of upper thread | [YES / NO] |
| 17. | preselection quantity for the change of lower thread | [YES / NO] |
| 18. | automatic change of the bobbins (lower thread) – for continuous run of at least 1600 2UPs | [YES / NO] |
| 19. | winding device for bobbins | [YES / NO] |
| 20. | Cover Laminating | | [YES / NO] |
| 21. | re: Cover Laminating | automatic continuous feeding of Inlays, Covers and eCovers with missing and double sheet control | [YES / NO] |
| 22. | reject of sample sheet to check glue pattern | [YES / NO] |
| 23. | reject of faulty chips (eCovers) | [YES / NO] |
| 24. | handling textile and paper covers | [YES / NO] |
| 25. | PUR Hotmelt gluing with immediate press securing for nice flat output | [YES / NO] |
| 26. | easy operation and maintenance of glue nozzle | [YES / NO] |
| 27. | appropriate device for maintenance and cleaning the hotmelt glue system | [YES / NO] |
| 28. | Hot-stamp Gold Embossing | | [YES / NO] |
| 29. |  | adjustable and monitored temperature of hot-stamping clichees | [YES / NO] |
| 30. | reel-fed gold foil | [YES / NO] |
| 31. | opto-electronic monitoring of gold hot-stamping presence | [YES / NO] |
| 32. | automatic adjustment of the product thickness | [YES / NO] |
| 33. | Separation of two-up layers into single ups by guillotine with scissor type cut | | [YES / NO] |
| 34. | Creasing with heated upper and lower bar of creasing tool with separate temperature control for each bar | | [YES / NO] |
| 35. | Folding of the booklet | | [YES / NO] |
| 36. |  | heated pressing and spine rolling for well closed and flat booklet before die cutting | [YES / NO] |
| 37. | adjustable temperature of upper and lower pressing bars and spine rollers | [YES / NO] |
| 38. | adjustable pressure on rollers | [YES / NO] |
| 39. | folding must be perfect also at minimum speed of the machine | [YES / NO] |
| 40. | Profile Die Cutting – ID3 | | [YES / NO] |
| 41. |  | spine support during cutting to minimize the tearing of the cover | [YES / NO] |
| 42. | camera check of proper cut-out and positioning of gold embossing | [YES / NO] |
| 43. | additional die cutting tool to delivered with the machine | [YES / NO] |
| 44. | CRN (Computer Random Numbering) impact printing of a number or Code 39 Barcode on first visa page and at front and back endpaper | | [YES / NO] |
| 45. | CRN impact printing with  electrically operated and controlled numbering equipment with possibility of printing numbers in any sequence. \*PMC | Printed number must consist minimal 12 positions - OCR B1 characters (all 12 positions just numbers or minimal first 2 positions letters + rest positions numbers \*PMC | [YES / NO] |
| 46. | The tolerance for the alignment of individual characters within +/- 0,2 mm \*PMC | [YES / NO] |
| 47. | Camera verification of printed number including transfer to the DB for laser perforation | [YES / NO] |
| 48. | Additional CRN impact printing box | [YES / NO] |
| 49. | Full alphabet – two sets of elements \*PMC | [YES / NO] |
| 50. | BAR code CRN impact printing box | [YES / NO] |
| 51. | Regular black ink + black ink with UV fluorescence according ICAO passport numbering Standards A.5.2.3. \*PMC | [YES / NO] |
| 52. | Laser perforation with shaped holes (L + T version) including PC data page with Camera verification of perforated number including the back check with the DB | | [YES / NO] |
| 53. | Laser engraving to the PC Data Page with Camera verification of engraved number including the back check with the DB - as seen on **Pic 4** | | [YES / NO] |
| 54. | Chip reading in each machine  Chip reading and writing in the Laser engraving machine with the possibility to write the passport number to the chip. | | [YES / NO] |
| 55. | Report (return file) from DB with number of successfully produced booklets including their numbers | | [YES / NO] |
| 56. | The finished passports to be delivered in vertical orientation 5x with the spine up and 5x with the spine down for easy recognition / counting | | [YES / NO] |
| 57. | The software and operating system must be "up to date" with available vendor support. Regular security updates/patches should be provided at least twice a year | | [YES / NO] |
| 58. | The supplier confirms that the offered device can process the booklets according to the layouts bellow (**Pic 1** – **Pic 3**) | | [YES / NO] |
| 59. | Label module to apply a label to the back cover with printed text and BAR code | | [YES / NO] |

**Obsah obrázku text, diagram, snímek obrazovky, číslo

Popis byl vytvořen automatickyObsah obrázku text, účtenka

Popis byl vytvořen automatickyObsah obrázku text, diagram, snímek obrazovky, číslo

Popis byl vytvořen automatickyPic1** **Pic 2** **Pic 3**

**Pic 4 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.