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System 2000S

High productivity booklet making system with smart feeder functions

In today's demanding printing environment, a flexible solution to booklet production is a must for all printers. Often there is a need to produce booklets from both digital presses and litho machines, or where covers have been coated or laminated. The required print volume and quality will determine the appropriate printing method and in many cases the finished booklet has been printed on different print engines and thus needs to be merged. Also, prints from a digital printers come pre-collated, whereas from an offset press they require sorting or collating. All this is a challenge for the finishing devices in order to keep a good workflow and maintain productivity.

The Morgana System 2000S, with its versatile configuration and options can manage these challenges efficiently, to give a highly productive solution.



System 2000S key product features:

- Air assist feeder unit
- Large LCD programmable display
- Up to 4000 sets per hour in collate mode
- Feed pre-collated sets from digital devices
- High quality ISP stitching head
- 30 x 80gsm sheets, booklets up to 120 pages
- Up to 3000 books per hour
- High quality front edge trimmer unit

System 2000S Options

- CST2000 Creaser & side slitter unit
- SQF2000 Squarefolder unit for flat spine booklets
- Beltstacker 4000 unit for high volume production
- Hohner 43/6 stitching head



System 2000S

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technical specifications

ACF & CF 510 Feeder/collator

| | |
|---------------------|-------------------------------------------------------------|
| No. of bins | 10 |
| Bin capacity | 28 mm (1/8") |
| Sheet size, | max 320 x 457 mm |
| Sheet size, | min 120 x 210 mm |
| Paper weight, | max 250 gsm |
| Paper weight, | min 50 gsm |
| Collating speed | Up to 4000 sets/hour |
| Feeding speed | Up to 10000 sheets/hour |
| Centre registration | Yes |
| Air separation | Yes, on AC and ACF models |
| Error detection | Double feed, misfeed, empty bin, paper jam and stacker full |

Receiving tray Offset / straight stacking

| | |
|----------------------------------|---------------------|
| Dimensions incl. base, H x W x D | 1925 x 600 x 700 mm |
| Weight | 108 kg |

BM 2000S Booklet Maker

| | |
|---------------------------------------------------|----------------------------------|
| Capacity | 30 sheets of 80 gsm |
| Speed | Up to 3000 sets/hour |
| Sheet size, | max 320 x 470 mm |
| Sheet size, | min 120 x 210 mm |
| Paper weight, | max 300 gsm |
| Paper weight, | min 60 gsm |
| Stapling modes | Saddle, edge and corner stapling |
| Stitching heads | 2 |
| Job saving | Yes, 10 jobs |
| Dimensions incl. base and belt stacker, H x W x D | 1135 x 1520 x 680 mm |
| Weight | 161 kg |

FTR 2000 Trimmer

| | |
|----------------------------------|----------------------|
| Capacity | 30 sheets of 80 gsm |
| Max booklet length, max trimming | 220 mm |
| Min booklet length, max trimming | 120 mm |
| Max booklet length, by pass | 235 mm |
| Min booklet length, by pass | 105 mm |
| Booklet width, max | 320 mm |
| Booklet width, min | 120 mm |
| Speed | Up to 2400 sets/hour |
| Trim length | Up to 15 mm |
| Dimensions incl. base, H x W x D | 1100 x 350 x 595 mm |
| Weight | 83 kg |

Options

CST 2000 Creaser Side Trimmer

| | |
|-------------------------------|--------------------------------|
| Bleed trim | Max 30 mm, min 5 mm each side |
| Max asymmetric bleed trimming | +/- 5 mm |
| Creaser tool, | fine < 120 gsm |
| Creaser tool, | coarse > 120 gsm |
| Speed | Maintains system feeding speed |
| Sheet size | Same as BM 2000/2000s |
| Paper weight, max | Same as BM 2000/2000s |
| Paper weight, min | 64 gsm |
| Dimensions, H x W x D | 1250 x 820 x 855 mm |
| Weight | 210 kg |

SQF 2000 Squarefolder

| | |
|----------------------------------|----------------------|
| Capacity | 30 sheets of 80 gsm |
| Booklet length, max | 228 mm |
| Booklet length, min | 105 mm |
| Booklet width, max | 320 mm |
| Booklet width, min | 120 mm |
| Speed | Up to 1800 sets/hour |
| Dimensions incl. base, H x W x D | 1100 x 350 x 595 mm |
| Weight | 60 kg |

BST 4000-1 Beltstacker

| | |
|------------------------|------------------------------------|
| Capacity, A3 | > 500 booklets of 2 sheets 80 gsm |
| Capacity, A4 | > 1000 booklets of 2 sheets 80 gsm |
| Run-out switch | Yes |
| Alignment | Inline, left or right |
| Belt speed | Adjustable |
| Overlap | Adjustable |
| Dimensions (H x W x D) | 635-1060 x 1785 x 450 mm |
| Weight 70 kg | |

Hohner 43/6 stitching heads

Optional loop stapling

*Disclaimer

As part of our continued product improvement plan, specifications and information published here are subject to change without notice.

All specifications are dependent on application, type of stock, temperature, RH and print engine used.

Specifications quoted were measured on uncoated and unprinted stock.

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