## DIGITAL WORKFLOW FINISHING 4.0

### Connex

Networking processes, connecting systems, showing production states, integrating machines in business processes – the Connex workflow solution is the answer to new requirements in a Smart Factory. Utilizing a modular system of standard modules allows highly customized applications, optimized for individual purpose.

### Connex **Info Cloud**

Connex Info Cloud enables you to produce your print products even more (cost)efficiently, to analyze your production in a targeted manner, to identify optimization potential for your production, and to increase your planning reliability. Because it is important to know which order is currently being produced where, how much has been produced and what the idle times, setup times or stop times look like.

### Connex **LineControl**

Shorter job run lengths and an increasing number of jobs necessitate electronic support of the classic slip sheet. Connex LineControl interconnects production equipment with higher-level systems via standard interfaces and enables automatic presetting of the machines based on digital Job tickets. Minimizing manual data input saves time and reduces sources of errors, what significantly increases overall production performance.

## MMSERVICES

**MMSTARTUP**
- Project management – comprehensive consultation for all needs
- Installation and commissioning – for a high level of process reliability
- Machine relocations

**MMSUPPORT**
- Telephone support – 24/7 access to our technical hotline and spare parts
- Repair service – carried out professionally
- Remote services – efficient online troubleshooting

**MMPARTS**
- Spare parts – high availability at your local service center and quick access to all Muller Martini spare parts in the plants

**MMINSPECT**
- Inspection – comprehensive analysis and extensive function testing
- Maintenance – regular, proactive maintenance pays off

**MMIMPROVE**
- Training – professional training at the Muller Martini training centers
- Production support – consultation on efficiency-enhancing programs

**MMUPTODATE**
- Updates – long-lasting efficiency and productivity
- Retrofits and extensions – to keep you competitive

**MMSELECT**
- Customized service contracts – efficient life cycle management to ensure the high reliability and uptime of your equipment

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MÜLLER MARTINI

Saddle Stitcher

# Primera PRO

## For More Jobs Per Shift

The Primera PRO saddle stitcher is an advanced and highly efficient saddle stitcher for the mid-performance range of up to 14,000 cycles an hour. Whether you use it for small, medium-sized or larger print runs – or even jobs that have to be produced with a quick turnaround time – the Primera PRO allows you to generate the desired revenues in your daily production. With its innovative Motion Control Technology for fast setup, its revised operating concept and the fully automated, integrated three-knife trimmer, it strengthens the position of graphic arts companies in a highly competitive market environment. This enables extremely short job processing times and ensures maximum profitability. And the Primera PRO is ready for the "digital transformation" – with the option to expand it in the future into a digital version for digital printing.


## HIGHLIGHTS

### Productivity
Maximum mechanical performance of 14,000 cycles/hour ensures economical production

### Code/Image Recognition
The Asir PRO MM camera system compares codes and images to identify sections

### Efficiency through modularity
Thanks to its flexible configuration options, it's the right solution for every application

Your **strong partner.**

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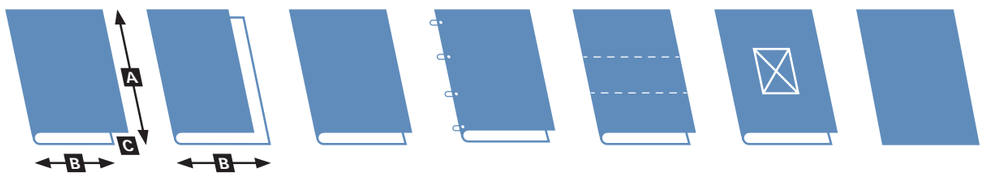
## TECHNICAL DATA

| | | | | |
|---|---|---|---|---|
| **Machine speed*** | **Mechanical** | max. | 14,000 cycles/h | |
| **Machine** | | | **A** | **B** |
| **Size, untrimmed** | **Product size** | min. | 120 mm (4 ¾") | 110 mm (4 5/16") |
| | | max. | 485 mm (19 1/16") | 320 mm (12 9/16") |
| **Sizes, trimmed** | **One-up** | min. | 105 mm (4 ⅛") | 63 mm (2 ½") |
| | | max. | 480 mm (18 14/16") | 315 mm (12 6/16") |
| | **Two-up** | min. | 86 mm (3 ⅜") | 63 mm (2 ½") |
| | | max. | 235 mm (9 ¼") | 315 mm (12 6/16") |
| | | | | |
| **Trim** | **Head/foot trim & front trim** | min. | 3 mm (0 ⅛") | |
| | | max. | 50 mm (2") | |
| **Product thickness** | **One-up** | max. | 13 mm (0 ½") | |
| | **Center cut, split cut** | max. | 6 mm (0 4/16") | |
| | **Center cut, punch cut (10 mm Knife**)** | max. | 5 mm (0 3/16") | |
| **Folder feeder 0507** | | | **A** | **B** |
| **Size, unfolded** | **Signature size** | min. | 89 mm (3 ½") | 165 mm (6 ½") |
| | | max. | 482 mm (18 15/16") | 635 mm (25") |
| | | | | |
| **Paper characteristics** | **Single signature grammage** | min. | 70 g/m² | |
| | | max. | 260 g/m² | |
| **Flat pile feeder 0505 Vertical pile feeder 0511** | | | **A** | **B** |
| **Sizes** | **Signature size 0505** | min. | 90 mm (3 3/16") | 75 mm (2 15/16") |
| | | max. | 485 mm (19 1/16") | 325 mm (12 13/16") |
| **Sizes** | **Signature size 0511** | min. | 105 mm (4 ⅛") | 80 mm (3 ⅛") |
| | | max. | 485 mm (19 1/16") | 330 mm (13") |
| | | | | |
| | **Overlap C** | min. | 6 mm (0 4/16") | |
| | | max. | 18 mm (0 11/16") | |
| **Streamfeeder** | | | **A** | **B** |
| | **Signature size** | min. | 140 mm (5 ½") | 100 mm (3 15/16") |
| | | max. | 480 mm (18 14/16") | 635 mm (25") |
| **Perfetto / Robusto compensating stacker** | | | **A** | **B** |
| | **Size of end product** | min. | 148 mm (5 13/16") | 105 mm (4 ⅛") |
| | | max. | 480 mm (18 14/16") | 330 mm (13") |
| | | | | |
| | **Layer height** | max. | 150 mm (5 15/16") | |
| | **Stack height** | max. | 250/350 mm (9 14/16" / 13 13/16") | |
| **General** | **Max. 16 stations** | | | |
| | **SEMKO measuring range below the ridge 100 mm** | | | |
| | **HK75Q stitching head max. 6 units** | | | |
| | **HK45Q stitching head max. 8 units** | | | |
| | **Eyelet stitching head max. 4 units** | | | |

* The maximum possible net output depends on several parameters. The characteristics of the paper being processed – such as the paper texture, the grammage, the folding quality, the electrostatic behavior and the size – affect product processing as do environmental factors, the expertise of the machine operator, etc.
** The maximum product thickness depends on the knife thickness (maximum product thickness = 1/2 of knife thickness).

## PRODUCTS




Low folio lap | High-folio lap | Suction opening | Eyelet stitching head & hole punch | Two-up and three-up production | Merchandise tipper | Cover

## ASIR DATA

| **The following functions can be selected** |
|---|
| Section recognition |

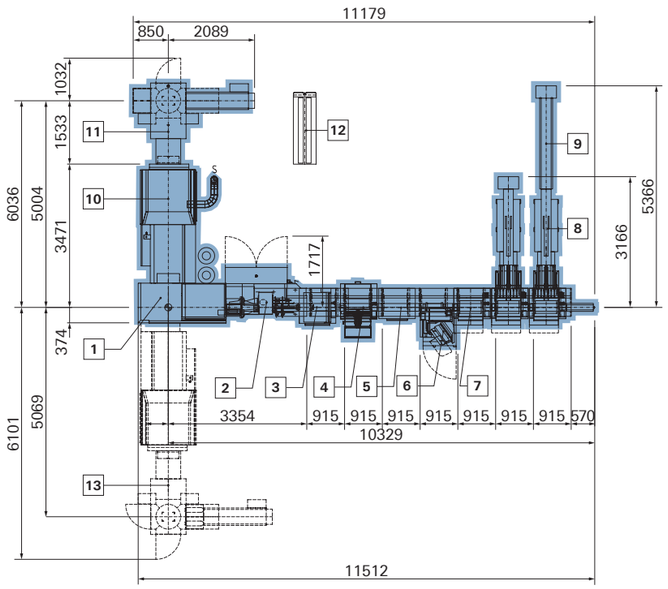
| **Supported code types** |
|---|
| 1D and 2D codes |
| Image comparison |

## CONFIGURATIONS AND OPTIONS

| | |
|---|---|
| **Configurations** | Delivery from the front or rear |
| | Stand-alone operation with shingle delivery |
| | Stand-alone operation with compensating stacker |
| **Optional features** | ASIR PRO for barcode, image and 2D code recognition |
| | Streamfeeder for flat pile and folder feeding |
| | Info panel |
| | Lateral thickness measurement (Sem-Ko) |
| | Hand feeding station |
| | Merchandise tipper (technical data available on request) |
| | Center, trio, split or punch cut (6, 8, 10 mm) |
| | 1-, 2-, 3- and 4-hole punching |

## LAYOUT

**1** Stitching station 0501
**2** SEMKO lateral thickness measurement at rear
**3** Folder feeder 0507
**4** Vertical pile feeder 0511
**5** Empty space cover / hand feeding station 0503
**6** Merchandise tipper 0506
**7** Flat pile feeder 0505
**8** Universal streamfeeder
**9** Log extension
**10** Three-knife trimmer 0504
**11** Robusto compensating stacker
**12** Shingle delivery 0612
**13** Perfetto compensating stacker




## UTILITY REQUIREMENTS

| | | |
|---|---|---|
| **Electrical** | **Voltage** | 3 x 400 V AC |
| | **Frequency** | 50/60 Hz ±2% |
| | **Protection from customer side*** | min 75 A |
| | **Max. power consumption of master control console*** | 30 kVA |
| | **Max. power consumption of VariAir*** | 7.5 kVA |
| **Pneumatical** | **Machine's working pressure** | 6 bar |
| | **Air consumption*** | 214 Nm³/h (126 cfm) |
| | **External diameter of air inlet fitting for compressed air** | G 1½" (47,8 mm) |
| **Important** | **Air must be oil- and waterfree**<br>**The compressor must be sourced locally**<br>**ISO 8573-1:2010 7/4/4** | |

* Calculations are based on a configuration with 6 flat pile feeders and 1 folder feeder. Requirements may change depending on the configuration.

## AMBIENT CONDITIONS

| | | | |
|---|---|---|---|
| **Temperature** | **Ambient temperature** | **Condition** | **Temperature range** |
| | Operation* | | +5 to +40 [°C] |
| | Storage I transport | Long-term<br>Short-term <24 [h] | -25 to +55 [°C]<br>-25 to +70 [°C] |
| | Suggested operating range | | +18 to +23 [°C] |
| **Air Humidity** | **Relative Humidity** | **Condition** | **Humidity Range** |
| | Non-condensing | max +35 [°C] | max 50% |
| | Higher relative humidity is acceptable only at lower temperatures | For example, at 20 [°C] | max 90% |
| | Suggested operating range | | 40 to 50% |

* An air conditioning unit (optional) must be used for operating temperatures of 35° C or higher.