

PACER®

SIDE®

MAPI®

For the highest quality cryopreservation of biological samples

[www.cryobiosystem.com](http://www.cryobiosystem.com)

# CBS™ High Security straws

## Improved Quality, Flexibility, Efficiency and Security



### Reliability & Security

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- Guaranteed leak-proof and shatter-proof container all the way down to LN2 temperatures
- Mechanically resistant to pressures of up to 150 kg/cm<sup>2</sup>
- Indestructible under normal conditions of use
- Full seals eliminate any possibility of cross-contamination to the specimen or its environment

### Traceability

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- Colors - Primary identification
- Outside printing on the straw
- Tamperproof labeled rod to insert inside the straw

#### Bar codes - Positive identification

- A bar code and alphanumerical code inkjet printed on the straw
- Resistant to liquid nitrogen, abrasive ice crystals and plastic materials
- Printed jackets and labeled rods cannot be removed until the straw is opened for use

### Versatility

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#### Compatibility

- All nitrogen freezers and containers, both liquid and vapor phase
- Ultra low temperature mechanical freezers

# PACE®

## System for filling and sealing CBS™ High Security straws



PACE®

Control box

### Technical features

#### PACE®

L380 x W300 x H370 mm  
(L15 x W11.8 x H14.6")  
Weight: 25 kg (55 lb)

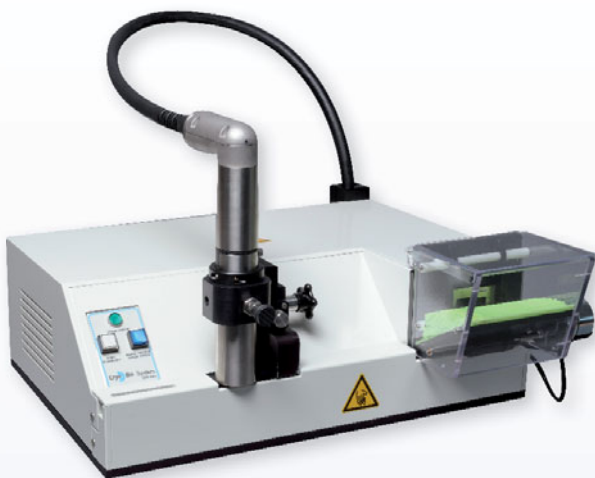
#### Control box

L410 x W365 x H155 mm  
(L16.1 x W14.4 x H6.1")  
Weight: 14 kg (31 lb)

- PACE® automatically fills and thermally seals a user defined number of CBS™ High Security straws from an open primary sample tube.
- PACE® uses CBS™ High Security 0.3 or 0.5 mL straws that are pre-identified with bar codes and/or alphanumeric codes or just before printing with SIDE®.
- PACE® system is the ideal packaging system for sperm banks or medium to large-size collection protocols.
- PACE® is easy to place under a laminar flow hood.

# SIDE®

## System for printing on CBS™ High Security straws



SIDE®



Linx

### Technical features

#### SIDE®

L450 x W500 x H190 mm  
(L17.7 x W19.7 x H7.5")  
Weight: 20 kg (44 lb)

#### Linx printer

L640 x W460 x H230 mm  
(L25.2 x W18.1 x H9.1")  
Weight: 30 kg (66 lb)

#### Domino printer

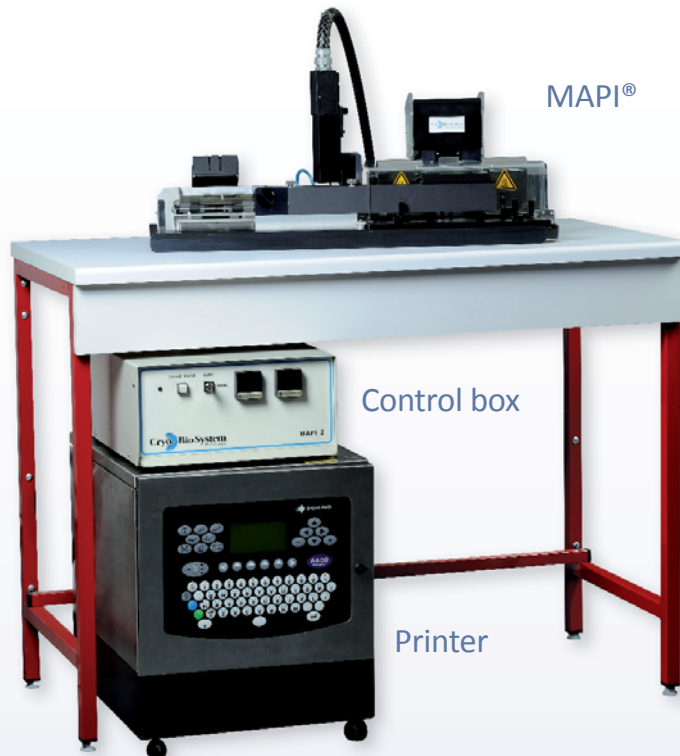
L650 x W450 x H375 mm  
(L25.6 x W17.7 x H14.7")  
Weight: 20 kg (44 lb)

SIDE® can be provided with  
a Domino or a Linx printer.

- SIDE® is compatible with open or sealed CBS™ High Security 0.3 or 0.5 mL straws and can automatically print bar codes (code 128) and/or alphanumerical identification on the straws.
- SIDE® is a flexible identification printing system enabling the laboratory to:
  - print the requested number of straws for a sample;
  - print the same code on the straws as the sample to ensure the link and
  - print straws after sealing to ensure sterility of the content.
- SIDE® guarantees a one-to-one identification relationship between the straw and the sample code.

# MAPI®

## System for filling, sealing and identification of CBS™ High Security straws



### Technical features

#### MAPI®

L760 x W260 x H470 mm  
(L29.9 x W10.2 x H18.5")  
Weight: 35 kg (77 lb)

#### Support table

L1200 x W600 x H900 mm  
(L47.2 x W23.6 x H35.4")  
Height with machine:  
1260 mm (49.6")  
Weight with machine:  
102 kg (225 lb)

#### Control box

L430 x W380 x H190 mm  
(L16.9 x W15 x H7.5")  
Weight: 14 kg (31 lb)

#### Domino printer

L650 x W450 x H375 mm  
(L25.6 x W17.7 x H14.7")  
Weight: 20 kg (44 lb)

- MAPI® fills, thermally seals and prints the identification code on a programmed number of CBS™ High Security 0.3 or 0.5 mL straws, starting from an open primary sample tube.
- MAPI®'s in-line bar code and/or alphanumerical code reading validates the identification on each straw and the various steps of the process are checked on line through several sensors.
- MAPI® is a flexible system which can handle large scale and multiple sample aliquoting protocols.

# CBS™ High Security Equipments



Distributed by:

## Application fields

- Biorepositories for epidemiological and disease research
- Hospital biobanks
- Cell and genetic therapy units
- Pharmaceutical companies producing vaccines from living cells
- Genetic heritage archives
- Sperm banks
- Laboratories and clinics specialized in reproduction biology

## Common technical features

- Power supply: 110 or 220 V / 60 or 50 Hz

Air ventilation is recommended to assist in evacuation of printer fumes.  
An air filtering station is available for SIDE® and MAPI® Domino's printer.

## International standards compliance

- PACE®, SIDE® and MAPI®: CE
- SIDE®: CEM IEC 61326
- Domino and Linx: CE / UL



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