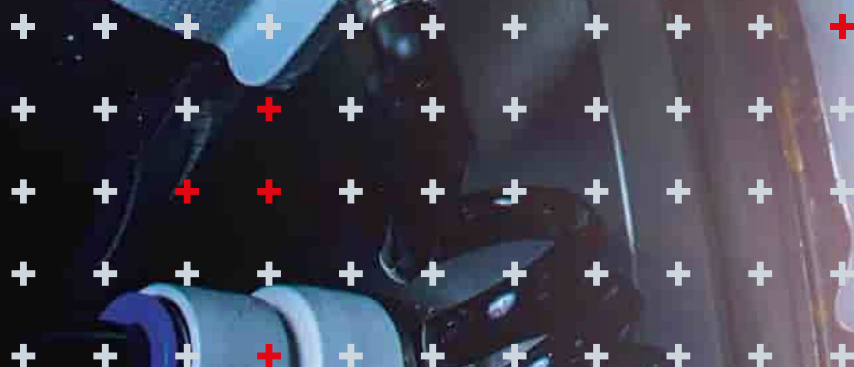


# PACKAGING PRODUCTION MACHINERY

↗ 2023



4

SAESA®

6

Decoseam™ lines

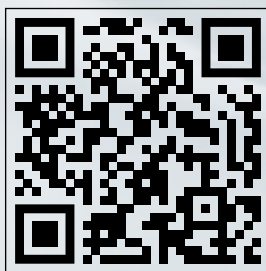
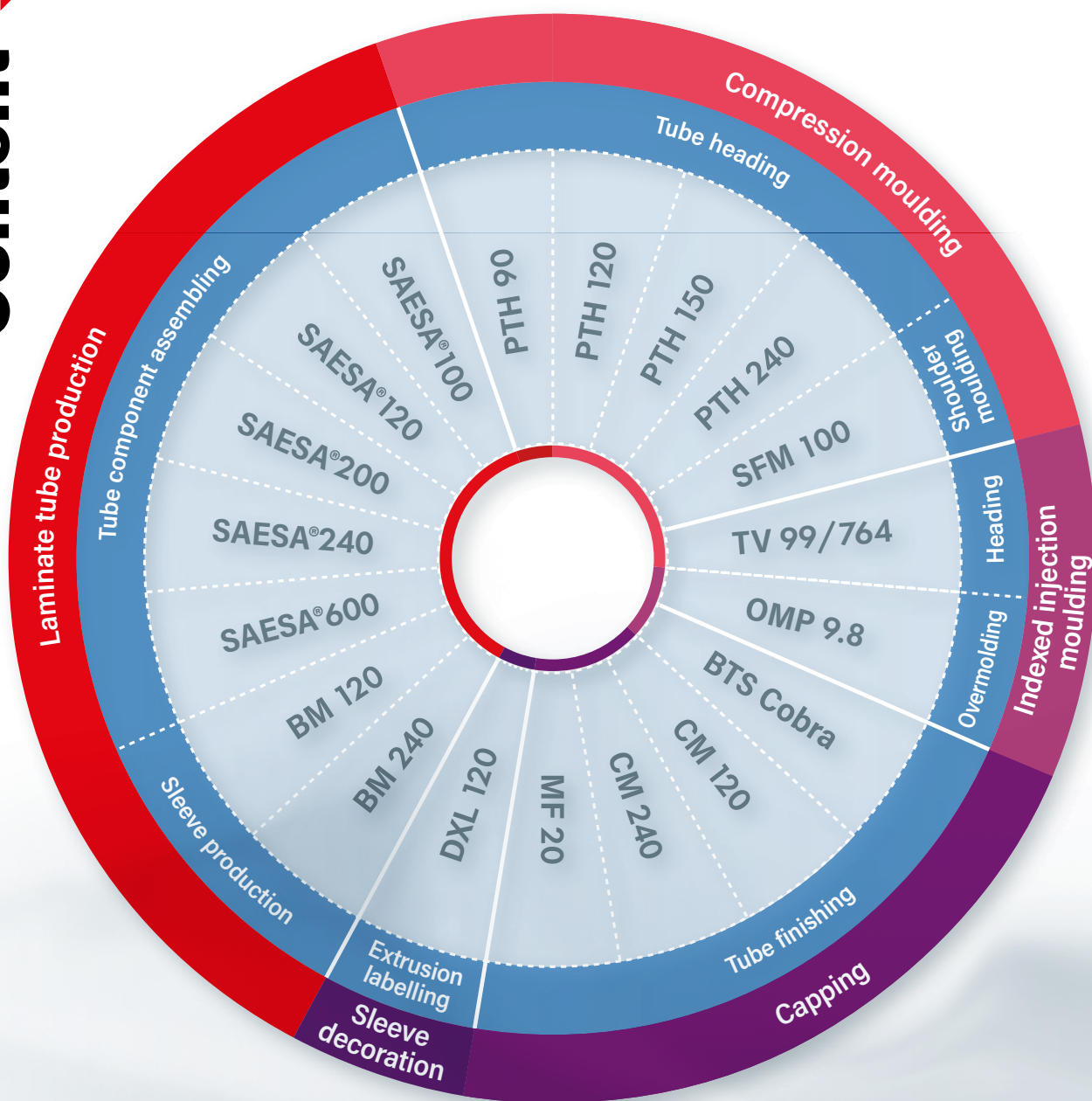
8

Decoplas™ line

10

Plastomatic lines

# Content ↗



Machine videos and further details  
are on our internet website.  
Please scan the QR code  
or type in your web browser  
[www.aisa.com/machinery](http://www.aisa.com/machinery)

# Integrated tube lines

**Automated tube production lines, entirely built by Aisa or created with partners are part of our DNA!**

1956

Aisa France pioneered extruded plastic tube lines and developed the **TV** injection heading technology, eventually reaching record speeds of 300 tubes per minute.

1966

Aisa Switzerland, initially manufacturing Aluminium tube machines, developed the **SAESA**® laminate tube production lines. These lines are compact, flexible and scalable up to 600 tubes per minute, the fastest tube manufacturing line in the world today.

1983

Designing **PTH** heading machines that use compression moulding, Aisa could bring more flexibility to the extruded cosmetic tube producers, facing shorter runs and therefore requiring more flexibility. Integrating our **PTH** heading machines with various partner machines, delivering decoration and extrusion equipment, gave birth to the **Plastomatic** lines.

2007

With the development of cosmetic laminate tubes, boundaries between laminate tubes (a toothpaste package) and extruded tubes (a cosmetic package) became blurred.

Cosmetic laminate tubes offer label-quality printing and favour **Decoseam**™ edge welding capabilities such as 360° coverage.

Consequently, the combinations between our market leading **PTH** cosmetic tube headers and **BM** (Body Maker) side seamers evolved into the **Decoseam**™ lines.

2017

With the ever-growing demand for label decoration on extruded tubes, for short runs and higher quality printing, Aisa offers today a unique innovative solution combining sleeve extrusion and label decoration with the **Decoplas**™ line.



# Laminate tube production

## SAESA® COMPONENT ASSEMBLY TECHNOLOGY

### SAESA® 120

— PERFORMANCE —

#### Machine capabilities

- > Up to 120 tubes/min.
- > Tube Ø19 to 40 mm
- > Side seam welding up to 24 m/min.
- > Body length 50 to 200 mm
- > Tube length with cap up to 228 mm

#### Value adding options

- > AFQS Automatic Functional Quality System
- > Safety seal applicator
- > Snap-on cap applicator
- > Packing conveyor integration
- > Production Data Interface to MES

#### Quality control systems

- > iQ-Seam Compression

#### Welding technology

**DBHS**

**WHAT A PERFORMANCE! SLEEVE, SHOULDER AND CAP ASSEMBLY AT A SPEED OF 120 TUBES/MIN. ON A SINGLE MANDREL**



### SAESA® 240

— PERFORMANCE —

#### Machine capabilities

- > Up to 240 tubes/min.
- > Tube Ø12.7 to 40 mm
- > Side seam welding up to 48 m/min.
- > Body length 50 to 200 mm
- > Tube length with cap up to 228 mm

#### Value adding options

- > AFQS Automatic Functional Quality System
- > Safety seal applicator
- > Snap-on cap applicator
- > Packing conveyor integration
- > Production Data Interface to MES

#### Quality control systems

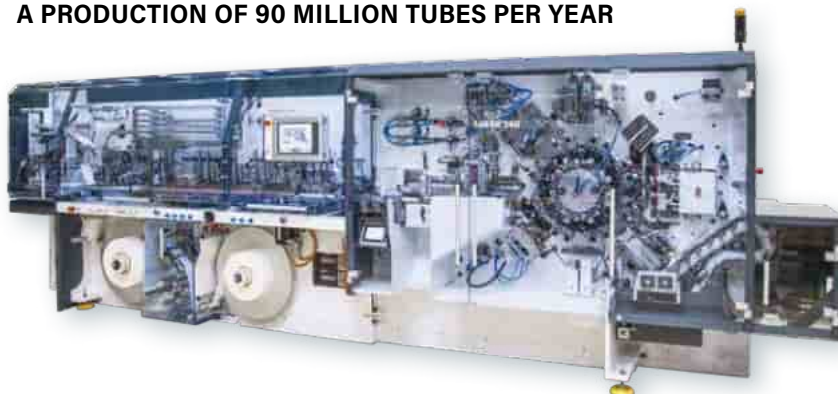
- > iQ-Seam Compression

#### Welding technologies

**HF**

**DIBS**

**FLOOR SPACE REQUIREMENT OF ONLY 15M² FOR A PRODUCTION OF 90 MILLION TUBES PER YEAR**



### SAESA® 600

— PERFORMANCE —

#### Machine capabilities

- > Up to 600 tubes/min.
- > Tube Ø16 to 40 mm
- > Side seam welding up to 100 m/min.
- > Body length 65 to 200 mm
- > Tube length with cap up to 228 mm

#### Value adding options

- > Safety seal applicator
- > Integrated Packing machine
- > Production Data Interface to MES

#### Quality control systems

- > Vision Quality Control Systems

#### Welding technologies

**HF**

**DIBS**

**SIMPLY THE FASTEST TUBE PRODUCTION LINE IN THE WORLD**



**DIBS** - Double Induction Belt Sealing for both Aluminium and Plastic Barrier Laminate (ABL & PBL)

**DBHS** - Double Belt Heat Sealing (ABL & PBL or PBL only)

**HF** - High Frequency Welding for Aluminium Barrier Laminate (ABL)

**MES** - Manufacturing Execution System

**NANO** - Extrusion Welding for both Aluminium and Plastic Barrier Laminate (ABL & PBL)

## SAESA®100

HIFLEX

### Machine capabilities:

- > Up to 100 tubes/min.
- > Tube Ø12.7 to 63.5 mm
- > Side seam welding up to 20 m/min.
- > Body length 45 to 200 mm
- > Tube length with cap up to 231 mm

## SAESA®200

HIFLEX

### Machine capabilities:

- > Up to 200 tubes/min.
- > Tube Ø19 to 50 mm
- > Side seam welding up to 40 m/min.
- > Body length 60 to 200 mm
- > Tube length with cap up to 231 mm

### Value adding options

- > Circumferential cutter
- > AFQS Automatic Functional Quality System
- > Decoseam™ edge welding
- > Decolap, overlap side seam
- > Safety seal applicator
- > Snap-on cap applicator with print orientation
- > Oval tube production capability
- > Packing machine connection
- > Production Data Interface to MES

### Quality control systems

- > iQ-Seam Compression
- > Q-Seam Aesthetic
- > Vision Quality Control Systems

### Welding technologies

DIBS

NANO



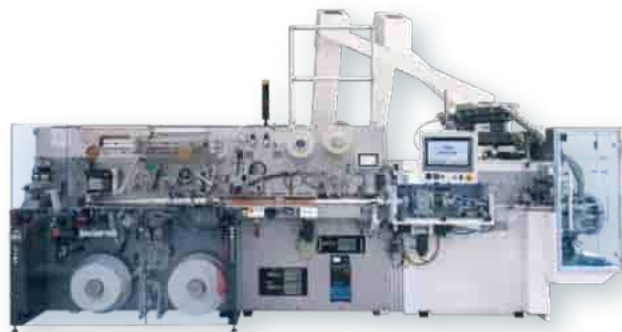
SAESA®



DECOSEAM™

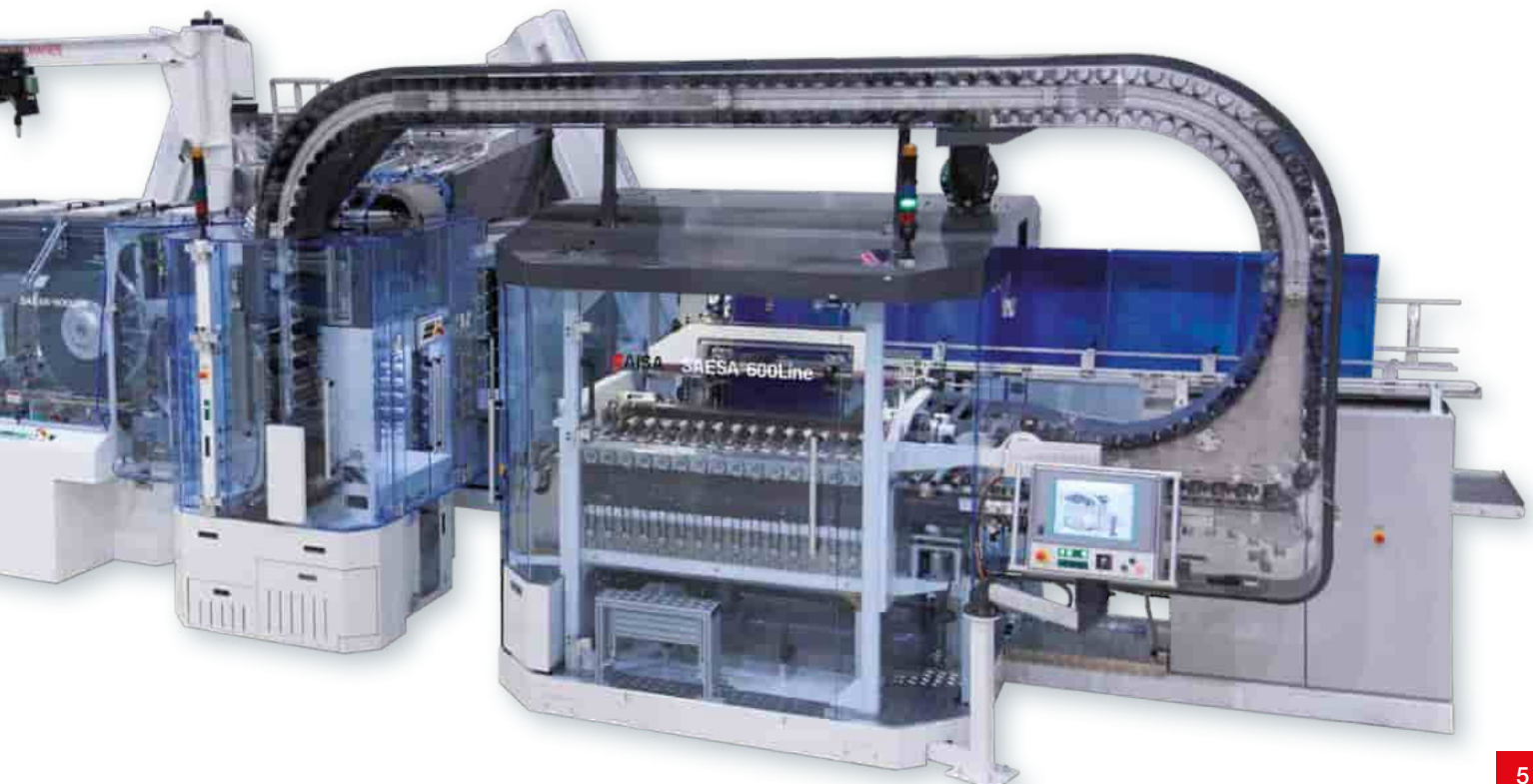
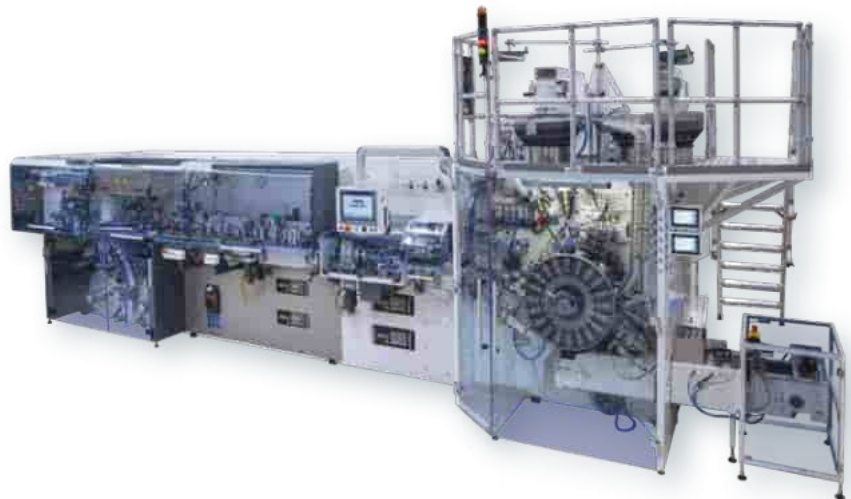


SMART CAP



BEYOND  
FLEXIBILITY,  
ANY TUBE IS  
POSSIBLE

WORLD RECORD Ø50 MM COSMETIC  
TUBES AT A SPEED OF 200 TUBES/MIN.





# Laminate tube production

## DECOSEAM™ EDGE WELDING TECHNOLOGY

### Decoseam™ 120 line

#### Machine capabilities

- > Up to 120 tubes/min.
- > Tube Ø19 to 63.5 mm
- > Side seam welding up to 24 m/min.
- > Tube length with cap up to 270 mm

#### Value adding options

- > Decoseam™ edge welding
- > Safety seal applicator
- > Snap-on & screw-on cap alignment to artwork
- > Oval tube production capability
- > Direct transfer system without accumulators
- > Production Data Interface to MES

#### Quality control systems

- > iQ-Seam Compression
- > Q-Seam Aesthetic
- > Vision Quality Control Systems

#### Welding technology

DIBS



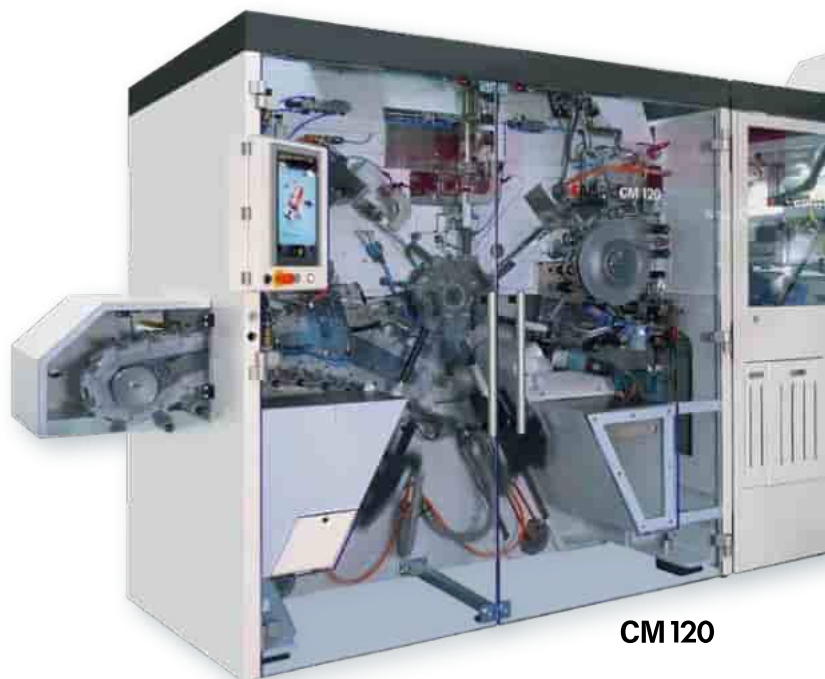
DECOSEAM™



SYNCHROFLOW™



SMART CAP



CM 120

HIGHEST FREEDOM OF PACKAGING DESIGN

### Decoseam™ 240 line

#### Machine capabilities

- > Up to 240 tubes/min.
- > Tube Ø19 to 63.5 mm
- > Side seam welding up to 48 m/min.
- > Tube length with cap up to 270 mm

#### Value adding options

- > Decoseam™ edge welding
- > Safety seal applicator
- > Snap-on & screw-on cap alignment to artwork
- > Oval tube production capability
- > Direct transfer system without accumulators
- > Production Data Interface to MES

#### Quality control systems

- > iQ-Seam Compression
- > Q-Seam Aesthetic
- > Vision Quality Control Systems

#### Welding technology

DIBS



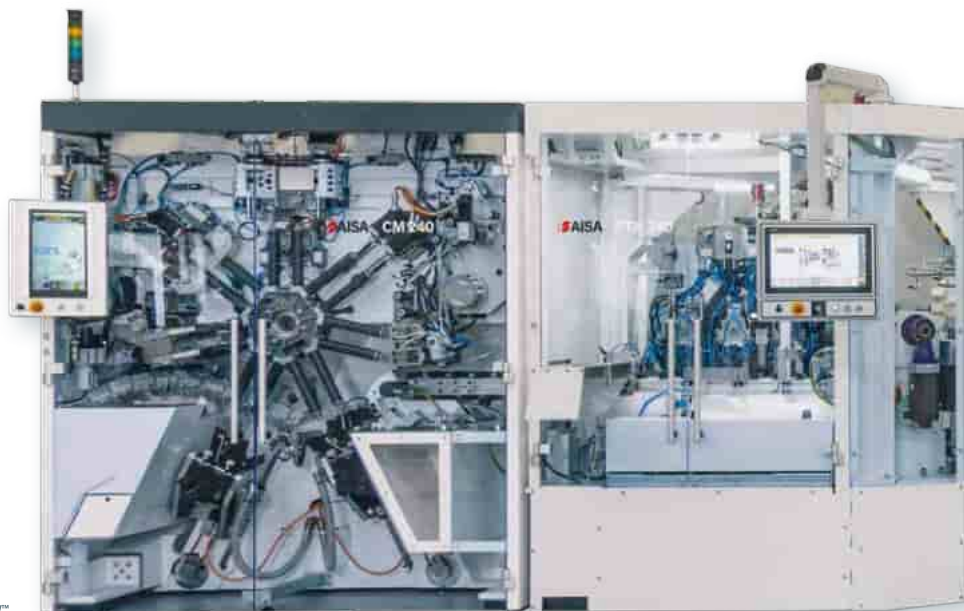
DECOSEAM™



SYNCHROFLOW™



SMART CAP



CM 240

WORLD'S FASTEST Ø50 MM LAMINATE TUBE PRODUCTION LINE

**DIBS:** Double Induction Belt Sealing for both Aluminium and Plastic Barrier Laminate (ABL & PBL)



**PTH 120**

**BM 120**

The **Decoseam™ 120 line** is composed of a body maker (**BM 120 Hiflex**), a header (**PTH 120**) and a capper (**CM 120**).

Label quality printed laminate tubes have now entered the cosmetic market. Our Decoseam™ lines are suited to meet this demand in round or oval shapes, from tube Ø19 to 63.5 mm. Thanks to the **Decoseam™ technology**,

outstanding 360° decorated tubes can be manufactured. The CM 120 capping machine is capable to orient snap-on and screw-on flip-top closures. With such direct transfer between heading and capping, oval tube production is simplified.



**PTH 240**

**BM 240**

The **Decoseam™ 240 line** is composed of a body maker (**BM 240 Hiflex**), a header (**PTH 240**) and a capper (**CM 240**).

Label quality printed laminate tubes have now entered the cosmetic market. Our Decoseam™ lines are ideally suited to meet this demand in round or oval shapes, from tube

Ø19 to 63.5 mm. Thanks to the **Decoseam™ technology**, outstanding 360° decorated tubes can be produced, allowing customers to compete even in high volume bottle markets.

# Extruded plastic tube production lines

## DECOPLAS™ EXTRUSION LABELLING TECHNOLOGY



CM 120

PTH 120

### Decoplas™ 120 line

#### Line capabilities

- > Up to 120 tubes/min.
- > Tube Ø25 to 63.5 mm
- > Extrusion linear speed up to 24 m/min.
- > Body length 50 to 230 mm
- > Tube length with cap up to 270 mm

#### Value adding options

- > Decoseam™ edge welding
- > Safety seal applicator
- > Snap-on & screw-on cap alignment to artwork
- > Oval tube production capability
- > Production Data Interface to MES

#### Quality control systems

- > Tube thickness and diameter control
- > Shoulder thickness measurement
- > Vision Quality Control Systems



The **Decoplas™ 120 line** is composed of a body maker (**DXL 120**), a header (**PTH 120**) and a capper (**CM 120**).

Aisa's Decoplas extrusion labelling line, is capable to switch from one artwork to another without stopping. This innovation increases productivity and makes it possible, to cost-effectively produce smaller lot sizes. In comparison, the conventional tube line stops until the new artwork is set up on the printing machine and then starts up again.





DXL 120

**CHANGE THE TUBE DECORATION ON THE FLY**



On the fly decoration change over,  
a dream come true for cosmetic  
packaging manufacturers!



# Extruded plastic tube production lines

## PLASTOMATIC – LINES WITH PARTNERS

### Plastomatic 120 line



CM 120

PTH 120

Sleeve Printing machine

### Plastomatic 240 line



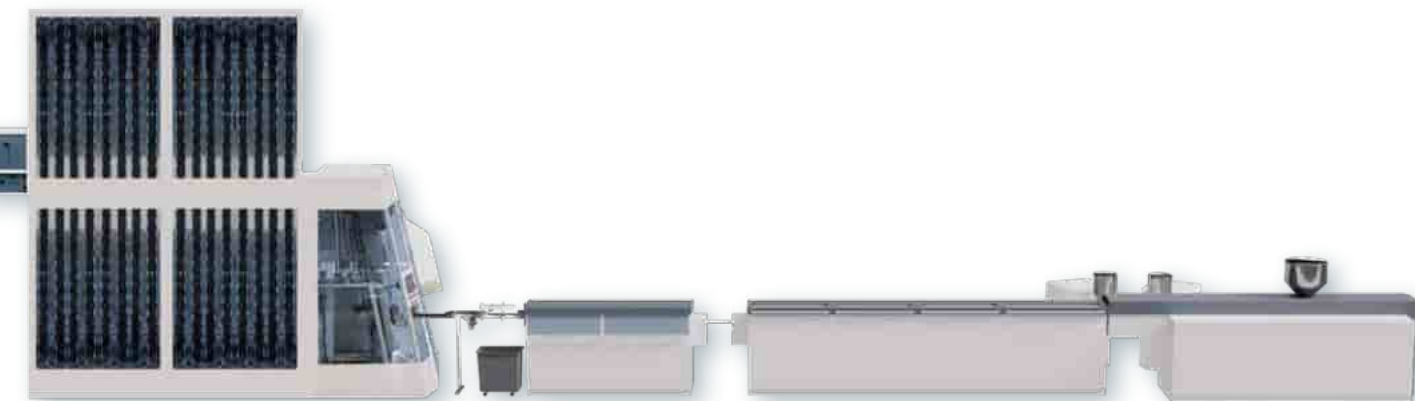
CM 240

PTH 240

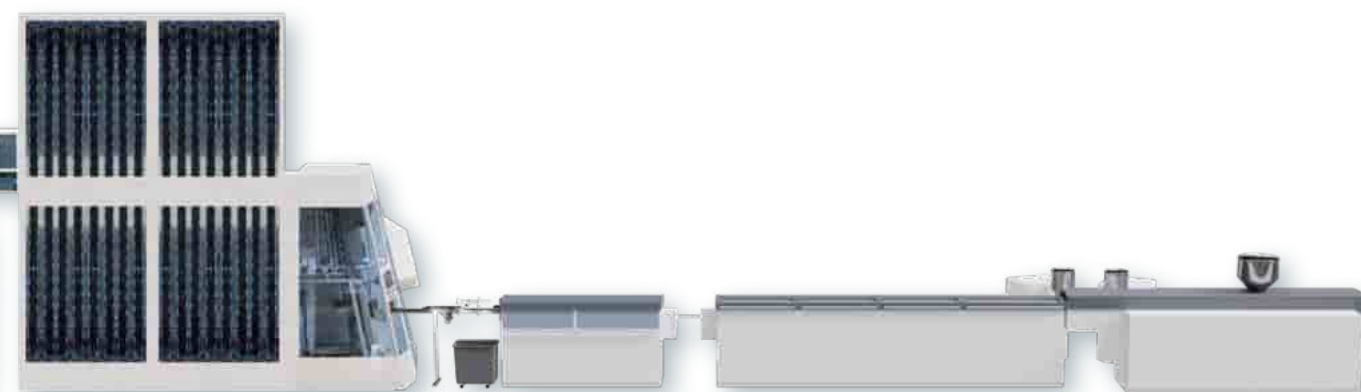
Sleeve Printing machine

Aisa has supplied machines for cosmetic tube lines for 60 years. 400 lines are in production worldwide today with compression and injection heading and capping machines. The world's best cosmetic tube producers use our machines and with these collaborations, comes our wealth of experience.





**Co-extrusion line**



**Co-extrusion line**



# Aisa, a worldwide presence



MACHINERY  
SERVICES  
PACKAGING  
COATING  
INSPECTION

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Tube volume calculator



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04-2023

