DAMPL

"Your Automation, Our Innovation."

DHYAN AUTOMATION MACHINERY PVT. LTD.

ABOUT US

Dhyan Automation Machinery Pvt. Ltd. is a leading provider of innovative automation solutions designed to optimize industrial processes. Specializing in the design, development, and manufacturing of high-quality machinery, we aim to enhance productivity, efficiency, and precision for our clients. With a focus on cutting-edge technology and sustainable practices, our team of experts delivers tailored automation systems that meet diverse industry needs. Committed to excellence, Dhyan Automation ensures reliable and cost-effective solutions, making us a trusted partner in the automation sector. We prioritize customer satisfaction, continuous improvement, and forward-thinking solutions to drive success in every project.

MISSION

The mission of Dhyan Automation Machinery Pvt. Ltd. is to deliver innovative, high-quality automation solutions that enhance operational efficiency and productivity for industries worldwide. We are committed to providing cutting-edge machinery and systems that meet the evolving needs of our customers. Through continuous research and development, we aim to drive technological advancements, ensuring that our products are reliable, cost-effective, and sustainable. Our goal is to be a trusted partner in automation, offering exceptional customer service, fostering long-term relationships, and contributing to the success and growth of our clients across diverse sectors.

VISION

The vision of Dhyan Automation Machinery Pvt. Ltd. is to be a global leader in automation technology, revolutionizing industries through innovation, precision, and sustainability. We aim to empower businesses with state-of-the-art machinery that drives efficiency, reduces costs, and enhances productivity. By embracing cutting-edge technologies and fostering a culture of continuous improvement, we strive to set new standards in the automation sector. Our vision is to create long-term value for our customers, employees, and stakeholders, while contributing to the advancement of industries worldwide, ultimately shaping a smarter, more efficient future for global manufacturing.

Packing Machine

4 Head Fully Automatic Incense Sticks Counting &

Our Range of Packaging Machinery

Incense Sticks Packaging Machinery

(1) 2 Head Incense Sticks Counting Packing Machine
(2) 2 Head Incense Sticks Weighing Packing Machine
(3) 2 Head Incense Sticks Counting & Weighing Packing Machine
(4) 4 Head Incense Sticks Counting Packing Machine
(5) 4 Head Incense Sticks Weighing Packing Machine
(6) 4 Head Incense Sticks Counting & Weighing Packing Machine

Specifications

- Machine Speed: 5 to 50 Pouch/Minute (Depends on Size & Qty.)
- Production Capacity: 2400 to 24000 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Length of Incense Sticks: 8" to 12"
- Diameter of Incense Sticks 2.8 to 3.5mm.
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- Center Sealing Or Side Sealing As Per Requirement.
- 1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 4 Head Design For Incense Sticks Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing TemperatureHeavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Incense Material Finished.

4 Head Fully Automatic Dhoop Sticks Counting & Packing Machine

Our Range of Packaging Machinery

Dhoop Sticks Packaging Machinery

(1) 2 Head Dhoop Sticks Counting Packing Machine
(2) 2 Head Dhoop Sticks Weighing Packing Machine
(3) 2 Head Dhoop Sticks Counting & Weighing Packing Machine
(4) 4 Head Dhoop Sticks Counting Packing Machine
(5) 4 Head Dhoop Sticks Weighing Packing Machine
(6) 4 Head Dhoop Sticks Counting & Weighing Packing Machine

Specifications

- Machine Speed: 5 to 45 Pouch/Minute (Depends on Size & Qty.)
- Production Capacity: 2400 to 24000 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Length of Dhoop Sticks 3" to 10"
- Diameter of Dhoop Sticks 2.8 to 10mm. (As per Customer Requirement)
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- Center Sealing Or Side Sealing As Per Requirement.
- 1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 4 Head Design For Dhoop Sticks Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing Temperature
- Heavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Dhoop Material
- Finished.

2 in 1   4 Head Fully Automatic Agarbatti & Dhoop Stick Counting & Packing Machine

Our Range of Packaging Machinery

2 in 1 Incense Sticks & Dhoop Sticks Packaging Machinery

(1) 2 Head Incense Sticks & Dhoop Sticks Counting Packing Machine
(2) 4 Head Incense Sticks & Dhoop Sticks Counting Packing Machine
(3) 4 Head Incense Sticks & Dhoop Sticks Weighing Packing Machine
(4) 4 Head Incense Sticks & Dhoop Sticks Counting & Weighing
     Packing Machine

Specifications

- Machine Speed: 5 to 30 Pouch/Minute (Depends on Size & Qty.)
- Production Capacity: 2400 to 15000 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Length of Dhoop Sticks 3" to 10" & Length of Incense Sticks: 8" to 12"
- Diameter of Dhoop Sticks 2.8 to 10mm. (As per Customer Requirement)
- Diameter of Incense Sticks: 2.8 to 3.5mm. (As per Customer Requirement)
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- Center Sealing Or Side Sealing As Per Requirement.1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 2 Head Design For Dhoop Sticks & 2 Head
- Design For Incense Sticks Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing Temperature
- Heavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Material Finished.

4 Head Fully Automatic Dhoop Cone Counting & Packing Machine

Our Range of Packaging Machinery

Backflow Incense Cone/Dhoop Cone Packaging Machinery

(1) 2 Head Dhoop Cone Counting Packing Machine
(2) 2 Head Dhoop Cone Weighing Packing Machine
(3) 2 Head Dhoop Cone Counting & Weighing Packing Machine
(4) 4 Head Dhoop Cone Counting Packing Machine
(6) 4 Head Dhoop Cone Weighing Packing Machine
(5) 4 Head Dhoop Cone Counting & Weighing Packing Machine

Specifications

- Machine Speed: 20 to 22 Pouch/Minute (As Per 20 Cones/Pouch Calculation)
- Production Capacity: 9600 to 10600 Pouch/ 8 Hours.
- Required Power: 6 hp Single Phase. (3 hp Compressor)
- Diameter of Dhoop Cone: 12 to 16mm. (Required Exact Size)
- (Height of Cones: 1" to 2".
- Roll: 80mm to 250mm BOPP Heat Sealable (22 to 50 Micron)
- 1 Suite Installed and 2 Suite Free with Machine As Per Requirement
- 4 Head Design For Dhoop Cone Counting
- PLC Based Programing with 7" HMI
- Automatic & Manual Both Operating System.
- Temperature indication Display for Cutting and Sealing Temperature
- Heavy Rigid Structure
- Easy Operating System for Machine
- Machine Auto Stop While Dhoop Material Finished.

Fully Automatic Agarbatti Counting Machine

Specifications

Machine speed :- 3 – 30 Bucket per minute (Depends on quantity of stick)Production capacity :- 1440 – 14400 per /8 hours.

Required Power :-3hp single phase.(2hp compressor)

Length of stick :- 8" to 12" any

Diameter of stick:- 2.8 to 3.5mm

1 head or 2 head or 4head as per production required.

PLC and HMI touch screen based machine.

Automatic and manual all function are available.

Heavy rigid structure

Easy operating system for machine

Machine auto stop while production complete which set in touch screen data.

Material damage control sensor also in

Machine so never material drop from last bucket.

AXRO2BASIC

ELASTIC BINDER

Cyklop's elastic binders have been an established industry standard for many years now. The AXRO2Basic is a well designed elastic binder based on our many years of experience. We manufacture the binders ourselves so that continuous development and consistent quality is guaranteed. The binder is suitable for manually bundling small manageable products with elastic, such as flowers, tubing, cables, and many other products.

ADVANTAGES

➡ For elastic cord Cylastic PCs 1300, Cylastic PE
➡ Very easy operation
➡ Strong, robust design for heavy use
➡ Low maintenance and easy to clean
➡ Low noise level
➡ Up to 60 cycles / minute

OPTIONS

➡ Support frame with 4 swivel wheels, 2 with brake

TECHNICAL DATA	
Capacity	Up to 60 cycles/minute
Dimensions (HxWxD)	680 x 422 x 446 mm
Input height	140 mm
Input depth	239 mm
Input	Left
Tabletop	Galvanised
Starter switch	In tabletop
String tension	Adjustable
Consumables	Cylastic PCs 1300, PES, PE
Power supply	230 V, 50 Hz, 1 ph
Weight	45 kg

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CM 780 PIGMENTED INK JET PRINTER

CM 780

Pigmented Ink Jet Printer

Cyklop has designed the CM 780 small character inkjet printer to address applications that require bright and easy to read variable data codes on dark surfaces such as electrical cable, colored glass, motor parts and circuit boards. The CM 780 is capable of printing with high contrast pigmented inks, with bright, clear text in multiple languages and symbols, custom logo, graphics and many barcodes types.

Easy use and maintenance – Designed to effectively and reliably work with pigmented inks

Fluid Management

The CM 780 prints with bright, clear ink that delivers high contrast codes that stands out on dark surfaces

An automated pump-controlled fluid system is designed to work with heavy pigments and ensures long reliable running without constant operator intervention

Smart chipped cartridges ensure the correct fluid is used with monitored fluid levels. Addition of fluids is simple, quick and clean

Printing Quality

Automated fluid control manages and delivers high quality ink to an innovative nozzle design ensuring crisp, sharp print at high speeds.

With the standard 'high quality print' option enabled, printing of up 50mm printhead to surface is possible with no loss of print quality

Automatic control and mixing of heavy pigment inks ensures long running times with reliability and maximum brightness of printing

Simple Operation and Maintenance

The CM 780 incorporates an innovative printhead cover design that allows quick, simple access to printhead critical components without the need to remove from the line to check or clean

Automatic printhead cleaning limits operator intervention and gives maximum running time

Bright, clear, informative display shows fluid levels and WYSIWYG. Single function button presses limits the time to action essential events

A single, combined filter pack with simple replacement minimizes service

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ENTRY LEVEL PRINTER

Economical CIJ printer with a large, high-resolution color user interface. Powerful printer, the CM 730 meets all marking requirements with flexible print options. Modular ink system gives easy service, reliable operation and low solvent consumption.

- Reliable, even in the toughest environments
- Excellent print quality
- Easy to set up, service and operate

MARKING AND CODING WITH THE CM730 SERIES

The CM730 is an entry level printer featuring a large, high resolution, color touch panel user interface.Reliability of operation in the harshest environments. Quality of printing monitored and maintained to deliver perfect code every print. Simplicity of setup, service and operation through a highly visible 10" Touch screen. Cost Saving features of single part service and solvent consumption saving

KEY FEATURES CM730

➡ Modular ink system
➡ IP54 industrial structure
➡ Quick, clean, fluids addition
➡ Maintenance friendly modular print head
➡ A simple high resolution operated user interface
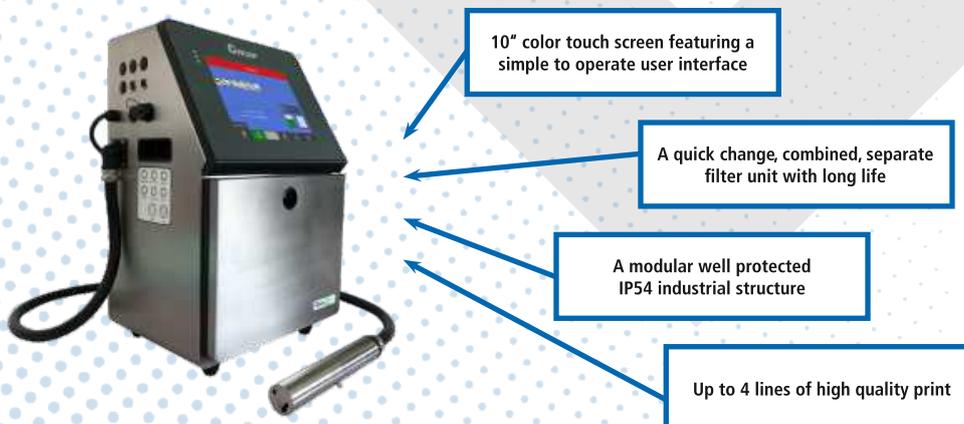➡ Single filter module

UNIPART INK SYSTEM

A quick change combo external filter unit placed outside Unipart Ink System requires no special skills to replace, when needed

TECHNICAL DATA	
Screen size :	Color 10 inch TFT LCD Touchscreen
Cartridge volume	750ml
Total Ink volume:	1.250ml
Nozzle	60/70µm
Print lines:	3 lines x 7 high/4 lines x 5 high
Print Fonts:	5x5, 7x5, 9x7, 11x9, 16x11, 19x14, 24x16
Positive Air pump:	Optional
Interfaces	USB to load logos and backup/restore
Operating range:	5-45°C
Protection class:	Ip54

Simple **Unipart Ink System** with NO lock-out hours

10" color touch screen featuring a simple to operate user interface

A quick change, combined, separate filter unit with long life

A modular well protected IP54 industrial structure

Up to 4 lines of high quality print

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MID RANGE PRINTER

The Cyklop Continuous Inkjet printer CM750 is the general purpose printer in the CM700 series range and has been designed to meet the very exacting standards and flexibility demanded from an industrial printer in today's fast moving production environments.

Reliability of operation in the harshest environments.

- Clean and high quality coding
- Ease of operations
- Power of networking

MARKING AND CODING WITH THE CM750 2020 SERIES

The CM750 2020 has been designed to meet the very exacting standards and flexibility demanded from an industrial printer in today's fast moving production environments

Reliability of operation in the harshest environments. Quality of printing monitored and maintained to deliver perfect code every print. Simplicity of setup, service and operation through a highly visible 10" Touch screen. Cost Saving features of single part service and solvent consumption saving system. Powerful and flexible print data options through network or local scanners. The CM750 2020 has it all covered.

Key features CM750 2020

- ➡ Modular ink system
- ➡ IP55 industrial structure
- ➡ Quick, clean, fluids addition
- ➡ Maintenance friendly modular print head
- ➡ A simple high resolution operated user interface
- ➡ Single filter module

TECHNICAL DATA	
Screen size :	Color 10 inch TFT LCD Touchscreen
Cartridge volume	750ml
Total Ink volume:	1.250ml
Nozzle	60/70µm
Print lines:	4 lines x 7 high / 5 lines x 5 high
Print Fonts:	5x5, 7x5, 9x7, 11x9, 16x11, 19x14, 24x16
Positive Air pump:	Standard
Interfaces	USB, Rs232, TCP/IP
Operating range:	5-45°C
Protection class:	Ip55

UNIPART INK SYSTEM

A quick change combo external filter unit placed outside Unipart Ink System requires no special skills to replace, when needed

Simple **Unipart Ink System** with NO lock-out hours

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STRAPPING WRAPPING CODING TAPING

10" color touch screen featuring a simple to operate user interface

A quick change, combined, separate filter unit with long life

A modular well protected IP55 industrial structure

Up to 5 lines of high quality print from multiple data sources

CO₂ LASER MARKING SYSTEM MODEL CM 800C

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CO₂ LASER PRINTER

CM 800 C series CO₂ laser marking system help customers achieve high-quality and high-speed printing in various production situations. The printing content is flexible, not restricted by fonts, coding or graphics

High speed printing for high-speed and complex coding request in food, beverage, cosmetic, pharmaceutical and extrusion industrials.

High efficency

Easy to operate

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FIBER LASER PRINTER

CM 800F series fiber laser marking system, with its light and agile marking unit, help customers to achieve high-quality and high-speed printing in various production situations. The printing content is flexible, not restricted by fonts, coding or graphics.

- Light and agile printing solution for autoparts, electronics, can, cosmetic, pharma and building material industrials
- Easy to operate

FIBER LASER MARKING SYSTEM THE CM800F SERIES

CM 800F series fiber laser marking system, with its light and agile marking unit, helps customers to achieve high-quality and high-speed printing in various production situations. The printing content is flexible, not restricted by fonts, coding or graphics. It is an ideal coding solution for auto-parts, electro nics, can, cosmetic, pharma and building material industrials

Non-stop
- High performance long-life laser source increases uptime significantly
- Air-cooled laser source and no wearing parts requires no additional maintenance

Easy to operate
- Flexible integrated solution with multiple standard beam transmission options
- Highly integrated modular design ensures simple and convenient installation and maintenance

High efficiency
- High-speed digital galvanometer system to ensure high speed and accuracy
- Smaller spot size and concentrated energy to handle difficult materials and complex marking requirements
- Optimized vector calculation logic to for more precise and efficient control of lines

No mistake
- In-house developed touch screen high-speed laser printer control system
- Human-machine interaction, to reducing mis-operations and ensuring correct marking
- Multiple high-resolution print field lens options provide accurate and perfect identification

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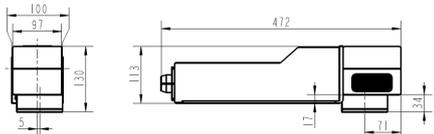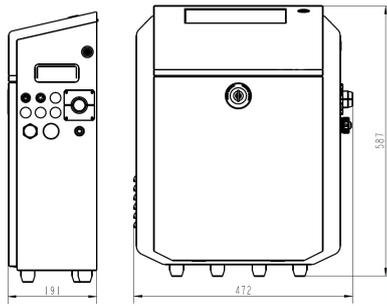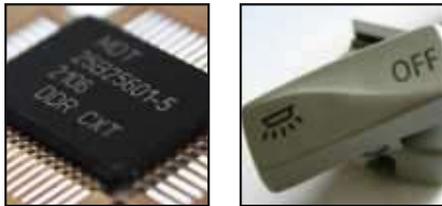
TECHNICAL SPECIFICATIONS	
Marking speed	Up to 2,000 characters/second
Line Speed	Up to 200/min
Wave lengths	1,055-1,070 nm
Marking format	Standard industrial fonts, Bar codes, Q-R code, Data Matrix, Aztec -code, Han-Xin-code, Graphics, Logos, Symbols etc.
Laser tube	Ytterbium (Yb) pulsed fiber laser
User interface	Personalized touch control screen
Communication	UDP, TCP/IP and Rs232
Integration	Flexible beam delivery options
Electrical requirement	110-240 VAC (To be noted when ordering), ~ 50/60 Hz, 1 PH, 0.70 KW
Environment	Temperature 5-40°C (41-104°F) Humidity 10%-90%, no condensing
Sealing and safety standards	Cabinet: IP54 standard, Marking Unit: Ip54 standard
Weight	Standard unit: approx. 34 kg

UV LASER MARKING SYSTEM MODEL CM 800U

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UV LASER PRINTER

CM 800U series UV- laser marking system has extremely small focusing spot and minimal processing heat and impact on material.A laser from the CM 800 series is the first choice for customers with high demands on marking quality.

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For ultra fine marking needs like special material marking, such as food, tobacco, medicine, electronic components, chemicals, building materials, painted metal surface, glass and many other applications

Easy to operate

UV LASER MARKING SYSTEM THE CM800U SERIES

CM 800U series UV laser is developed with 355nm UV laser, which is especially suitable for ultra-fine marking, special material marking, such as food, tobacco, medicine, electronic components, chemicals, building materials, painted metal surface, glass and other applications due to its extremely small focusing spot and minimal processing heat and impact on the deformation of the material. It is the first choice for customers with high standard of marking quality.

Non-stop

No consumables in daily operation and no needs of daily mechanical maintenance pro-cedures will effectively extend the up-time

Air cooled laser source will maximize machine utilization and reduce the unplanned downtime

Easy to operate

Flexible integrated solution with multiple standard beam transmission options

Highly integrated modular design ensures simple and convenient installation and maintenance

Intuitive touch screen interface, easier to edit information, simple to learn, support a variety of communication methods
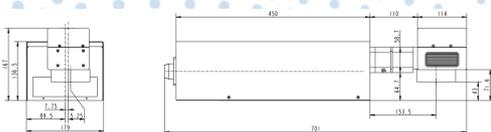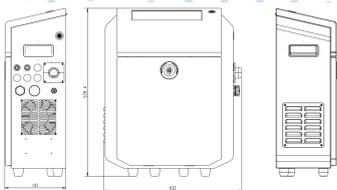
High efficiency

High-speed digital galvanometer system to ensure high speed and accuracy

Scientific and accurate vector planning logic to reduce marking period

Ultra-high-speed makes up to 150,000 marking per hour

Ultraviolet wave length laser beam makes high speed flying marking on HDPE/LDPE packaging possible

No mistake

"Cold processing" with small focal spot and heat effect ensures the minimiation of damage to packaging

Fine and non-erasable marking to help on realization of traceability and anti-counterfeiting in the whole product life cycle

Achievable high-contrast with great visual readability on white HDPE/LDPE packaging

TECHNICAL SPECIFICATIONS	
Marking speed	Up to 2,000 characters/second
Line Speed	Up to 200/min
Marking format	Approx. 70x70mm²to 220x220mm²
Wave lengths	355nm
Marking format	Standard industrial fonts, Bar codes, Q-R code, Data Matrix, Aztec -code, Han-Xin-code, Graphics, Logos, Symbols etc.
Laser tube	Solid-state UV laser
User interface	Personalized touch control screen
Communication	UDP, TCP/IP and Rs232
Integration	Flexible beam delivery options
Electrical requirement	240 VAC (To be noted when ordering), ~50/60 Hz, 1 PH, 0.70 KW/1.50 KW
Environment	Temperature 5-40°C (41-104°F) Humidity 10%-90%, no condensing
Sealing and safety standards	Cabinet: IP54 standard, Marking Unit: Ip54 standard
Weight	Standard unit: approx. 28 kg

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CO2 LASER MARKING SYSTEM THE CM800C SERIES

CM 800Cseries CO_2 laser marking system help customers achieve high-quality and high-speed printing in various production situations. The printing content is flexible, not restricted by fonts, coding or graphics.It is an ideal solution for high-speed and complex coding request in food, beverage, cosmetic, pharmaceutical and extrusion industrials.

Non-stop

Optimized total output power for a laser source life of up to 40,000 hours.

Air-cooled laser source requires no additional maintenance

Totally sealed maintenance-free optical system, no adjustment

High efficiency

High-speed digital galvanometer system to ensure high speed and accuracy

Scientific and accurate vector planning logic, reducing the time consumed for a single marking

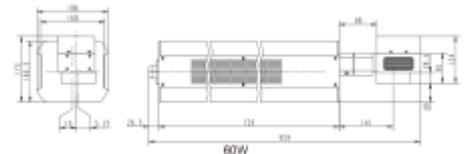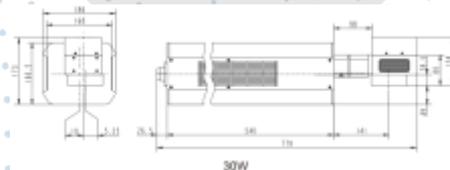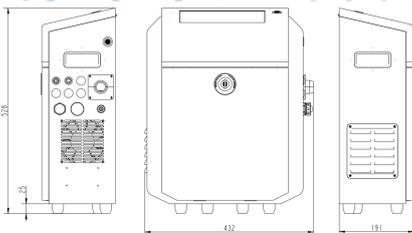Ultra-high-speed

No mistake

In-house developed touch screen high-speed laser printer control system

Human-machine interaction, reducing mis-operations and ensuring correct marking

Multiple high-resolution print field lens options provide accurate and perfect identification

Easy to operate

Flexible integrated solution with multiple standard beam transmission options

Highly integrated modular design ensures simple and convenient installation and maintenance

TECHNICAL SPECIFICATIONS	
Marking speed	Up to 2,000 characters/second
Line Speed	Up to 200/min
Marking format	Approx.50x50mm² to 400x400mm²
Wave lengths	10.6um 10.2um and 9.3um
Marking format	Standard industrial fonts, Bar codes, Q-R code, Data Matrix, Aztec -code, Han-Xin-code, Graphics, Logos, Symbols etc.
Laser tube	Sealed CO2 laser
User interface	Personalized touch control screen
Communication	UDP, TCP/IP and Rs232
Integration	Flexible beam delivery options
Electrical requirement	240 VAC (To be noted when ordering), ~ 50/60 Hz, 1 PH, 0.70 KW/2PH 1.50 KWt
Sealing and safety standards	Cabinet: IP54 standard, Marking Unit: IP54 standard
Weight	Standard unit : approx. 34 kg, 39KG (60W)

30W

60W

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THERMAL INKJET PRINTER

The thermal inkjet printer Cyklop CM 600 is operated and programmed via a high-resolution touchscreen with a 7" screen diagonal. The screen is designed according to the "less is more" principle and enables important information such as printer status, print image and fill level to be quickly identified at a glance.Up to 2 smart printheads with innovative quick and secure head angle adjustment.Anti shock bracket and automatic "stay sharp" cartridge print management

High speed printing for high-speed and complex coding request in food, beverage, cosmetic, pharmaceutical and extrusion industrials.

High efficency

Innovative

Easy to operate

Easy cartridge replacement

THERMAL INKJET PRINTER THE CM 600 SERIES

Print heads

The print heads are connected to the controller with 1.5 m (5 m optional) long cables. In connection with the supplied mounting elements and the innovative in 30° steps adjustable print head holder, maximum flexibility is enabled when installing in production systems. Two print heads can be connected to the controller and enable print images up to 25.4 mm high.

Print content

Print content such as texts, date formats, times, logos or barcodes can be entered easily and conveniently via the touchscreen. Resolutions of up to 600 dpi and format lengths of up to 3,000 mm allow almost unlimited printing options.

Ink

With our in-house developed inks, CM 600 stands for very high quality prints on almost all materials and surfaces. The cartridges are automatically recognized with their fill level and type and can be changed during printing

Low cost

The cartridge concept enables low operating costs without maintenance or repairs and enables smooth operation with high availability at minimal costs.

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7" COLOR TOUCH SCREEN.

**AUTOMATIC "STAY SHARP"
CARTRIDGE PRINT MANAGEMENT
WITH INNOVATIVE HEAD
ANGLE ADJUSTMENT
AREMOTE NETWORK**

**DATA PRINTING
ETHERNET/USB/RS232
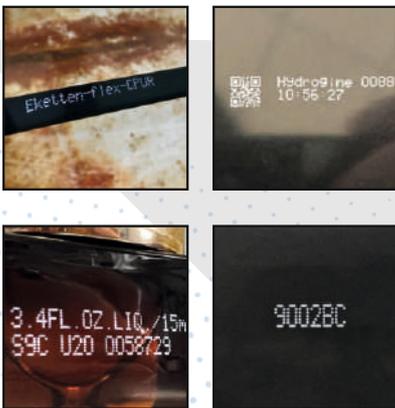FIBER OPTIC PRODUCT SENSOR
ANTI SHOCK BRACKET**
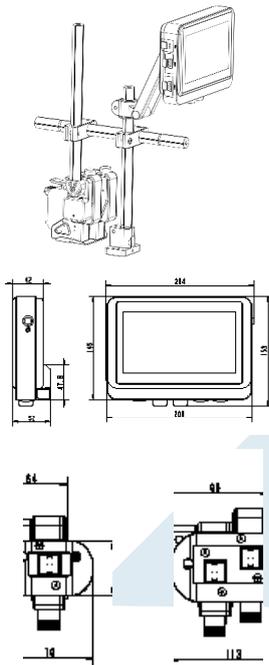
TECHNICAL SPECIFICATIONS	
Print technology	HP TIJ 2.5
Print parameters	Selectable 150, 200, 300, 600 dpi
Print head mounting	Auto head 10mm anti shock with 30 deg incremental quick rotational print head mounting. Side on and top down printing.
Print distance	1mm optimal, 5mm maximum
Printing speed	Up to 228 m/min, 76 m/min at 300dpi
Print Colors	Black water based, Black, Red and Blue solvent based
Printing options	Configurable time/date codes, counters, shift code, graphics / Logo, external data, symbol sets
Sensor	External fiber optic sensor with head mounting bracket
Languages	English, Germany
Power supply	AC 100–240V, 50/60Hz, 60W, 12 VDC, 5 A
IP Rating	IP54 Controller

TECHNICAL DATA	
Screen	10" TFT LCD Touchscreen
Printhead	Temperature control printhead, Diameter 41mm
Umbilical	Length 2700mm, Bending radius150mm
Nozzle diameter	60/70um
Electricity	200-240VAC, 50Hz, Rated power: 70w
Operating temperature	5-45°C
Protection level	IP 55
User interface	WYSIWYG system, Touchscreen
User field	QR Code, Barcode, shift, graphics
Print height	1.2-10mm, 1-5 lines, max. 34 dot
Contact-free print distance	2-15mm. Up to 50mm with print option
Fastest print speed	320m/min 60um model
Additio of consumable	Plug in cartridge with smart chip. 375ml Ink and 750ml Makeup
Standard ports	Optical sensor, encoder, Ethernet, USB
Weight	Net 27Kg. Gross weight: 40Kg Including accessories and packing box

CYKLOP® GLOBAL PACKAGING SOLUTIONS

STRAPPING WRAPPING CODING TAPING

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CT 12TS

CT 12TS

Case Sealer

Taping is the application of an adhesive tape on, for example, a box or other surface. In the packaging industry, tape is often usedto close something, in most cases a box or package. In addition, tape is also used to bundle products, to mark, to communicate a message or to prevent theft..

The ultimate goal of taping is to store and/or send your products without damage, so that they end up in perfect condition withyour customer.
Packaging tape or tape can be applied manually,
with a table dispenser or with a box closer.

Machine with manual entry

The CT 12TS is a semi-automatic taper suitable
for PP or PVC tape from
48 mm to 72 mm.
After filling the box, the operator folds the flaps, closes
the box and feeds the box manually into the machine. The
bottom and top are then automatically sealed with tape.
The machine can easily be adjusted manually to the
required width and height. The boxes are transported by
motorized side conveyor belts, so that the boxes are
perfectly aligned and a
good seal is guaranteed.

With the CT 12TS it is possible to professionally close
hundreds of packages per day

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STRAPPING
WRAPPING
CODING
TAPING

The Cyklop Ampag CI 71 is the ideal choice for companies that need strength and reliability in their packaging process. Specially developed for large and heavy products, this strapping machine combines robust construction with user-friendly operation. With a strapping speed of up to 30 straps per minute and an adjustable tension force from 50 to 800 newtons, it ensures secure and stable strapping even for bulky products.

Thanks to its intelligent PLC control and brushless DC motor, the Ampag CI 71 delivers consistent performance and long-term durability, making it a dependable partner in demanding packaging environments. Operation is simple and intuitive, whether via switch buttons or foot pedal, allowing smooth integration into everyday workflows. The machine is designed with flexibility in mind, supporting a wide range of strap widths and coil sizes, and is equipped with an arch of 850 x 600 millimeters. This adaptability makes it suitable for diverse packaging needs while maintaining the highest standards of security and stability.

When maximum speed is not the priority but uncompromising strength and reliability are essential, the Cyklop Ampag CI 71 is the perfect solution.

EASY TO USE
✓ Simple operation via switch button or foot pedal
✓ User-friendly PLC + driver board
✓ Ergonomic design

IMPROVED PERFORMANCE
✓ Up to 30 strappings per minute
✓ Adjustable tension forces up to 800 N
✓ Brushless DC motor for long-lasting durability and strapping quality

FLEXIBLE & RELIABLE
✓ Compatible with strap widths of 9, 10, 12, or 16 mm (0.6 – 1.0 mm thickness)
✓ For heavy, bulky products
✓ Robust construction
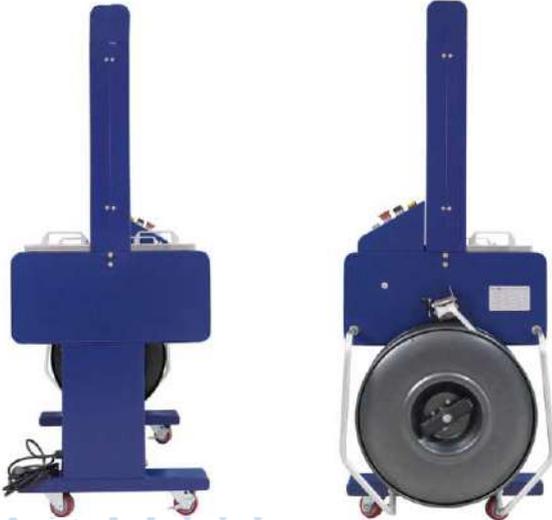
Ampag CI 71: Heavy-duty bundling for big and heavy products. Uses wide and thick straps for secure packaging.

TECHNICAL DATA

Strapping speed	Max 30 strappings/min
Tension range	50–800N (adjustable)
Tensioning system	Arm type
Standard arch size inner	W 850 x H 600 mm
Working table Height	820 mm
Strap sizes width	9,10,12 or 16 mm
Strap thickness	0.6 – 1.0 mm
Strap coil	Inner dia.: 200–210 mm Outer dia.: 400–450 mm Width:170–190 mm
Control component	PLC+Driver board control
Control panel	By switch buttons
Power source	1P, 220–240V, 50Hz, 0.85kW

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STRAPPING
WRAPPING
CODING
TAPING
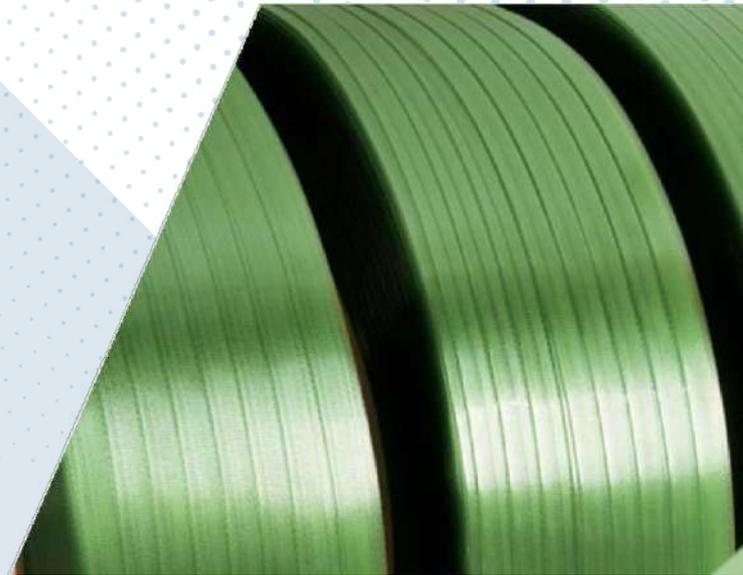
CP 19CA

CP 19CA

Strapping Machine

The automatic strapping machine CP 19CA is suitable for strapping various packages or boxes. The machine is able to process PP strap of 9 to 19 mm and has a very simple control panel. The CP 19CA is also mobile because of the swivel wheels. The strapping machine can make up to 30–32 strappings per minute, depending on the set tension, package size and arch size. This makes the CP 19CA ideal as a starter in automatic strapping

ADVANTAGES

➡ For PP strap of 9 to 19 mm, thickness from 0.6 – 1.0 mm
➡ Automatic belt insertion and ejection
➡ Easy operation
➡ Electronic tension control
➡ Built-in photo sensor for automatic strapping
➡ Mobile, equipped with foot pedal
➡ Various arch sizes available

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STRAPPING
WRAPPING
CODING
TAPING

TECHNICAL DATA

Min. package size	200 x 750 x 500 mm (LxWxH)
Strapping material	Polystrap 9,10,11,12,13,15,19 mm Thickness 0.6 ~ 1.0mm
Strap coil	Core diameter 200 mm Outer diameter 400 mm Width 160 mm
Strap tension	70 - 882 N ~90 Kgs
Packing Type	Parallel Strapping, Continuous Mode Manual Operation, Ball Switch
Sealing method	Hotseal
Noise	~75 dB(A)
Warm up time	Approximately 1 min
Power	380V, 50/60 Hz 1.0kW 10A 3P
Machine weight	Approximately 220 kg
Machine Dimensions	L1380 x W620 x H1540 mm
Operating temperature	5 - 40 °C

Optional :

➡ Top and bottom transport
➡ Different box dimensions
➡ Stainless steel version
➡ Direct printing / coding/labelling
➡ Extra transport / roller conveyors

TECHNICAL DATA

Dimensions of machine (LxWxH)	1,090 x 890 x 750 mm
Sealing	Bottom and top
Consumables	PP/PVC Tape
Tape outer roll diameter	350 mm (max)
Tape core diameter	76 mm
Tape - width	50-75 mm
Pack size - length	min 150 mm max -
Pack size width	120 mm 480 mm
Pack size - height	120 mm 480 mm
Capacity	1200 packages / hour
Transport	Side 20 meters / hour
Protection	IP 55
Power	220 V/50 Hz/1 phase
Weight	200 Kg

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STRAPPING
WRAPPING
CODING
TAPING

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MORE THAN A CENTURY OF GLOBAL MARKING, CODING & PACKAGING SOLUTIONS

ONE BUTTON BATTERY OPERATED HAND TOOL FOR PLASTIC STRAPPING

TENSION FORCE 2800 N (4500 N AT TENSION WHEEL), HIGH TENSION, SUITABLE HEAVY DUTY

EASY OPERATION AND SIMPLE ADJUSTMENT

HIGH PERFORMANCE LI-ION BATTERY 18V-5.0 AH WITH POWER DISPLAY FUNCTION

UP TO 750 STRAPPING CYCLES PER CHARGE

SUITABLE FOR BUILDING MATERIALS, META WOOD, PAPER, PRINTING AND LOGISTICS INDUSTRIES

CYKLOP®
GLOBAL PACKAGING SOLUTIONS

STRAPPING
WRAPPING
CODING
TAPING

LGT 260 One Button Battery-Operated Hand Tool for Plastic Strapping

LGT 260-19

- Tension Force 3000N (5500N at Tension Wheel), High Tension, Suitable for Heavy Duty Application
- Easy Operation and Simple Adjustment
- High Performance Li-Ion Battery 18V-5.0 Ah with Power Display Function
- Up to 600 Strapping Cycles per Charge
- Suitable for Building Materials, Metal and Wood Industries.

Technical Data:

Tool Weight :	3.7 Kg
Battery Weight :	0.62 kg
Dimensions (L x W x H) :	335*145*145mm
Tension Force :	800---3000N
Sealing Method :	Friction Weld
Strap Type :	PP & PET
Strap Width :	16-19mm
Strap Thickness:	0.6mm-1.3mm

Battery:

Lit-Ion Battery :	18V - 5.0Ah
Strapping Cycles per Charge :	Up to 700

Depends on the quality of strap, tension and the type of package

Charging Time :	90 min.
Battery Life:	Charged/Discharged 2,000 times

Charger :
Voltage :   100-240V

Operation Mode:
Automatic / Semi-automatic / Manual

*Protection Base Plate Included

OmniStrap 380

BATTERY HANDTOOL PLASTIC STRAP

Cyklop®

OmniStrap 380 | STRAPPING HANDTOOL

Cyklop®

The Cyklop OmniStrap 380 is the universal model in our range of cost effective battery operated strapping tools. Designed for simplicity and efficiency, the OmniStrap combines all essential strapping functions like tensioning, sealing, and cutting into one easy-to-use device. This all in one functionality simplifies the strapping process, reduces handling time, and increases overall efficiency on the job.

It features adjustable strap tension ranging from 250 to 4500 N, making it suitable for a wide variety of applications. This wide tension range allows the tool to be adapted to different packaging requirements and materials, making it suitable for use across a broad spectrum of industries from logistics and warehousing to manufacturing and distribution.

Compatible with both PET and PP strap widths of 12 to 16 mm, the OmniStrap offers flexibility for diverse packaging needs. Its battery-powered operation allows for full mobility, enabling use in multiple locations without dependence on external power sources. Weighing only 3.92 kg and ergonomically balanced, the tool ensures comfortable and quick operation for the user. Additionally, the device includes memory for five programmable settings, allowing consistent and efficient performance with every use.

EASY TO USE
☐ Touch Display
☐ Memory mode
☐ Strap alignment guides
☐ Welding time settings
☐ Tension force settings

IMPROVED PERFORMANCE
☐ Variable tension speed
☐ Tension indicator
  (filled out bars)
☐ Tension range with low mode
☐ More cycles per charge

FLEXIBLE & RELIABLE
☐ Save favorite settings
☐ For PP/PET strap
☐ For heavy and light packaged goods
☐ Display & audible signal
☐ Impact, dust, and moisture resistant

TECHNICAL DATA	
Strap	PP (Polypropylene) PET (Polyester)
Strap width	12 – 16 mm
Strap thickness	0.5 – 1.3 mm
Welding time	0.5 – 3.5 s
Tension force	250 – 4500 N
Tension speed	>200 mm/s
Weight	3.3 kg tool body 0.62 kg battery
Dimensions mm	L 352 x W 148 x H 156
Strapping cycles per charge	PP – 750 PET – 550
Battery	18V 5000 mAh

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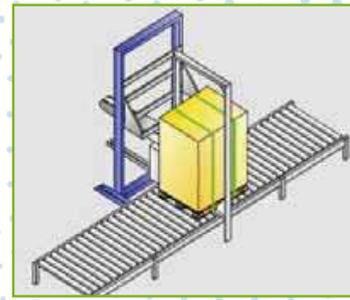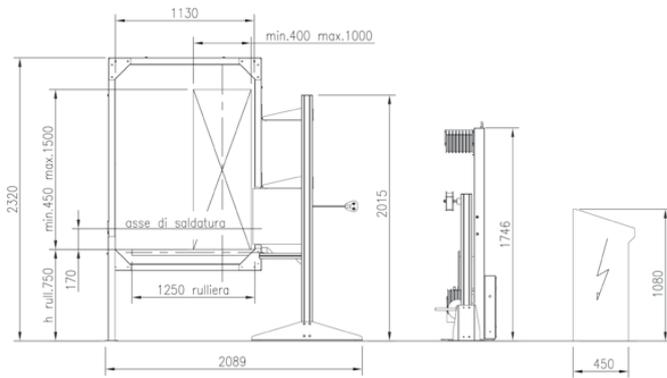
SF 112 M

The SF/SP 112 M side strapping machine allows a fully automatic positioning of the strap on package and pallet. Possibility to perform one or more vertical straps with PP or PET.
Basic components for all machines: strapping head, structure with arch to guide the strap around the package, electrical cabinet with Siemens PLC and proface touch pannel, strap dispenser.

La reggiatrice laterale SF/SP 112 M, rende completamente automatico il posizionamento della reggia su colli e pallet con la possibilità di eseguire una o più legature verticali con reggia di poliestere o polipropilene.
Componenti di base: testa di reggiatura, struttura con arco di scorrimento della reggia attorno al pacco, quadro elettrico di alimentazione con PLC Siemens e pannello proface, carrello svolgireggia.

CYKLOP
INTERNATIONAL   4-5

TECHNICAL FEATURES CARATTERISTICHE TECNICHE :	
Strapping Reggiatura	Vertical Verticale
Head testa	Fixed, side Fissa laterale
Package dimensions dimensioni pacco	Mm. 800 – 1200 (W) Mm. 450- 2100 (H)
Tension tensione	Up to 5500 n (cfh1) Up to 2200n (cfl 2)
Electrical cabinet pulpito	With PLC S7/300 proface
Strap type reggetta	PP, PET
Alimentation Alimentazione	400 V + 3f + n+ t – 50 Hz 24 V DC 2.5 kW ±

BASIC MACHINE & OPTIONS		
SF-112-M SP-112-M Strap-lance speed 700mm/s Velocità Lancia 700mm/s	F= P=	For package, closed arch Per pacchi, arco chiuso For pallets, with lance Per pallet, con lancia
SF/ SP-112- MV	V =	Moveable head, 500mm Testa mobile, avanzamento 500mm
SF/SP-112-MVB	B =	Floating head Testa flottante
Pneumatic strap guide for strap perpendicular to package Dispositivo pneumatico per una reggetta perfettamente perpendicolare al pacco		For package dimensions over: Per pacchi di dimensioni superiori a: W 1.000 H 450/1.500
Light press (column type, motorized with inverter) Pressa leggera		Max force 500 kg
Flap opener Canaline		Only with selected option light press Solo con opzione pressa leggera
Bigger arch for bigger packages Arco per pacchi di grandi dimensioni		Package with height over 2.100mm Per pacchi di altezza superiore a 2.100 mm

CYKLOP INTERNATIONAL   4-5

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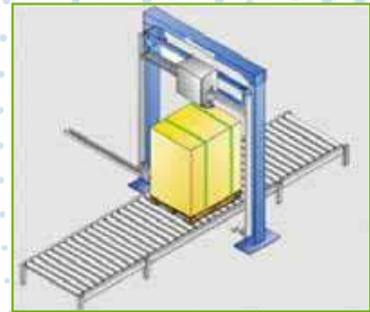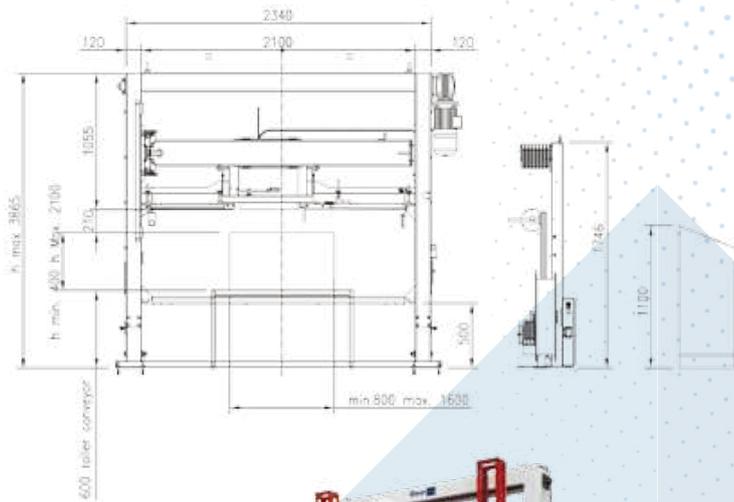
SP 111 MKB
Corner Applicator

SPV 111 MKB

The SF/SP 111 M strapping machine allows a fully automatic positioning of the strap on package and pallet with sealing on top. Possibility to perform one or more vertical straps with PP or PET.
Basic components for all machines : strapping head, structure with arch to guide the strap around the package, electrical cabinet with Siemens PLC and proface touch pannel, strap dispenser.

La reggiatrice verticale SF/SP 111 M, rende completamente automatico il posizionamento della reggia su colli e pallet con la possibilità di eseguire una o più legature verticali con reggia di poliestere o polipropilene. Saldatura sopra il pacco.
Componenti di base: testa di reggiatura, struttura con arco di scorrimento della reggia attorno al pacco, quadro elettrico di alimentazione con PLC Siemens e pannello proface, carrello svolgireggia.

CYKLOP
INTERNATIONAL   4-5

TECHNICAL FEATURES CARATTERISTICHE TECNICHE :	
Strapping Reggiatura	Horizontal Orizzontale
Head testa	Fixed, side Fissa laterale
Package dimensions dimensioni pacco	mm. 1200 (L) mm. 800 (W) mm. 2300 (H)
Tension tensione	Up to 5500 n (cfh1) Up to 2200n (cfl 2)
Electrical cabinet pulpito	With PLC S7/300 proface
Strap type reggetta	PP, PET
Alimentation Alimentazione	400 V + 3f + n+ t – 50 Hz 24 V DC 2.5 kW ±
Carriage Speed Veloctà carrello	170 mm/sec.

BASIC MACHINE & OPTIONS		
SF 111 M	F=	For package, closed arch Per pacchi, arco chiuso
SP 111 M Strap-lance speed700mm/s Velocità Lancia 700mm/s	P=	For pallets, with lance Per pallet, con lancia
SF/ SP 111 SMALL		For Min height mm 150 Per altezza min mm 150
SF/ SP 111 MK	K =	With flap openers Con canaline
SF/SP 111 –MKB	B =	Floating head Testa flottante
SFV/SPV 111 MKB	V =	Moveable machine on rails Macchina mobile su binari
SF 111 MKB C (Coil)	C =	For Coils Per bobine
SF/SP 211 MKB		Two heads Due teste
Light press Pressa leggera		KG 100-600 or 500 - 1200
Bigger arch for bigger packages Arco per pacchi di grandi dimensioni		Max. mm 3000 H Max. mm 2500 W

Opzione:
Corner Applicator

CYKLOP
INTERNATIONAL   4-5

SFV 172 MVB

The SF 172 M horizontal strapping machine allows a fully automatic positioning of the strap on package and pallet. Possibility to perform one or more horizontal straps with PP or PET
Basic components for all machines: strapping head, structure with arch to guide the strap around the package, electrical cabinet with Siemens PLC and proface touch pannel, strap dispenser..

La reggiatrice orrizontale SF 172 M, rende completamente automatico il posizionamento della reggia su colli e pallet con la possibilità di eseguire una o più legature orizzontali con reggia di poliestere o polipropilene.
Componenti di base: testa di reggiatura, struttura con arco di scorrimento della reggia attorno al pacco, quadro elettrico di alimentazione con PLC Siemens e pannello proface, carrello svolgireggia.

CYKLOP INTERNATIONAL 4-5

TECHNICAL FEATURES CARATTERISTICHE TECNICHE :	
Strapping Reggiatura	Horizontal Orizzontale
Head testa	Fixed, side Fissa laterale
Package dimensions dimensioni pacco	mm. 1200 (L) mm. 800 (W) mm. 2300 (H)
Tension tensione	Up to 5500 n (cfh1) Up to 2200n (cfl 2)
Electrical cabinet pulpito	With PLC S7/300 proface
Strap type reggetta	PP, PET
Alimentation Alimentazione	400 V + 3f + n+ t – 50 Hz 24 V DC 2.5 kW ±
Carriage Speed Veloctà carrello	170 mm/sec.

BASIC MACHINE & OPTIONS		
SF 172 MV	V =	Moveable head, 500mm Testa mobile, avanzamento 500mm
SF 172 MVC	C =	Pneumatic strap guide Guida reggia pneumatica
SF 172 MVB	B =	Floating head Testa flottante
SF 172 MVB C	B = C =	Floating head Testa flottante Pneumatic strap guide Guida reggia pneumatica
SF 172 MVB S	S =	Compactor system 4 sides (pneumatic) Dispositivo di compressione pneumatico sui 4 lati
SFV 172 M	V =	Moveable machine on rails Macchina mobile su binari
Bigger arch for bigger packages Arco per pacchi di grandi dimensioni		Package over Pacchi oltre mm. 1800 (L)x 1000 (W)x 2300 (H)

CYKLOP INTERNATIONAL 4-5

SPE-22.2-1- 21

The SPE vertical strapping press allows a fully automatic positioning of the strap on package and pallet. Possibility to perform one or more vertical straps with PP or PET.
Basic components for all machines : strapping head, structure with arch to guide the strap around the package, pressure plate (1000 – 3000 KG), electrical cabinet with Siemens PLC and proface touch pannel, strap dispenser.

La reggiatrice con pressa SPE, rende completamente automatico il posizionamento della reggia su colli e pallet con la possibilità di eseguire una o più legature verticale con reggia di poliestere o polipropilene.
Componenti di base : testa di reggiatura, struttura con arco di scorrimento della reggia attorno al pacco, piano pressante (1000 – 3000 KG), quadro elettrico di alimentazione con PLC Siemens e pannello proface, carrello svolgireggia.

CYKLOP
INTERNATIONAL   4-5

STRAPPING

Cyklop is one of the leading manufacturers of plastic straps PP polypropilene and PET polyester, tools and machines for securing pallets.

WRAPPING

Cyklop offers a wide range of semi automatic and automatic wrappers

CODING

The all new generation CM 730 Continuous Inkjet Printer created by Cyklop

CODING

The all new generation CM 800 Laser Marking System created by Cyklop

CODING

The all new generation CM 600 Thermal Inkjet Printer created by Cyklop

TAPING

Cyklop offers a wide range of dispensers and automatic or semi–automatic taping machines. with adhesive tape and gummed paper tape

BINDING

Cyklop is one of the leading manufacturer of binding machines with elastic cord.

TECHNICAL DATA	
Tool weight	3.4 kg
Battery weight	0.62 kg
Dimensions (LxWxH)	335*145*145 mm
Tension force	400-2800N
Sealing method	Friction weld
Strap type	PP & PET
Strap width	12-16 MM
Strap thickness:	0.5 MM-1.2 MM:

BATTERY	
Lit-ion battery	18 V-5.0AH
Strapping cycles per charge	Up to 750 Depends on the quality of strap, tension and the type of package
Charging time	90 min
Battery life:	Charged/Discharged 2,000 times

CHARGER	
Voltage:	100-240 V

OPERATION MODE
Automatic / Semi automatic / Manual

*Protection base plate included

TECHNICAL FEATURES CARATTERISTICHE TECNICHE:				
Press SPE 2200 kg Pressa SPE 2200 kg	SPE– 20.1. 21	SPE– 22.2–1– 21	SPE– 22.2–2– 21	SPE– 22.3–2– 21
Press SPE 3000 kg Pressa SPE 3000 kg	SPE– 30.1. 21	SPE– 30.2. 1. 21	SPE– 30.2. 2. 21	SPE– 30.3. 2. 21
Strapping Reggettatura	Vertical Vertical	Vertical Vertical	Vertical Vertical	Vertical Vertical
Head Testa	1 on top Fixed Fissa	1 on top Moveable Mobile	2 on top Fixed Fissa	2 on top 1 fixed fissa 1 moveable mobile
Package dimensions Dimensioni pacco	800 – 1600 (W) 400 – 2400 (H)	800 – 1600 (W) 400 – 2400 (H)	800 – 1600 (W) 400 – 2400 (H)	800 – 1600 (W) 400 – 2400 (H)
Tension Tensione	< 5500 N (CFH1) < 2200N (CFL 2)	200 – 5500 N (CFH1) 200 – 2200N (CFL 2)	< 5500 N (CFH1) < 2200N (CFL 2)	< 5500 N (CFH1) < 2200N (CFL 2)
Electrical cabinet Pulpito	With PLC S7/300 proface	With PLC	With PLC S7/300 proface	With PLC S7/300 proface
Strap type Reggetta	PP, PET	PP, PET	PP, PET	PP, PET
Strap lance Lancia	1	2	3	3
Strap track Guida reggia	1	2 Distance= 625mm 500 mm possible	3 Distance= 625mm 500 mm possible	3 Distance= 625mm 500 mm possible
Strap dispenser Carrello svolgireggia	1	1	2	2
Alimentation Alimentazione	400 V + 3F + N+ T – 50 HZ 24 V DC 5 kW ±			
Pressure plate speed Velocita del piano pressante	200 /sec.			

Options :	
Bigger arch for bigger packages Arco per pacchi di grandi dimensioni	Dispositivo di taglio del film sulla lancia For pallet height altezza pallet Mm 2100 – 3000
Cutting device for film on lance	For pallet width larghezza pallet Mm 2000 – 2500
Underfeed strap guide Guida reggia sotto rulliere	For products without pallets Per prodotto, senza pallet
Small dimensions lance Lancia con dimensioni ridotte	Mm. W 50, H 20
Height moveable lance Lancia mobile	Mm. H 100

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SF 113 M VERTICAL STRAPPING MACHINE – HEAD UNDER
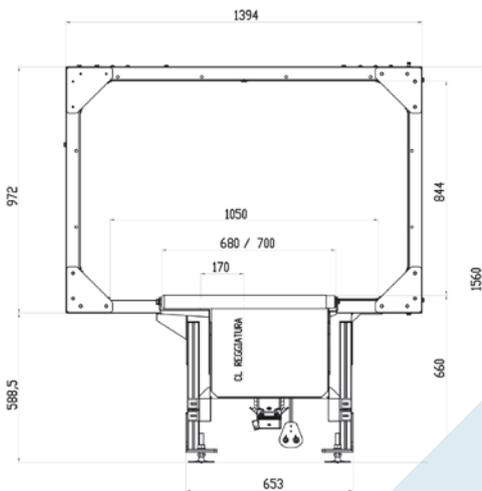
SF 113 M

The SF 113 M is a strapping machine with sealing under the package for automatic vertical strapping.

La SF 113 M è una reggiatrice automatica verticale con saldatura sotto il pacco.

Basic components for all machines : strapping head, structure with arch to guide the strap around the package, electrical cabinet with Siemens PLC and proface touch pannel, strap dispenser.

Componenti di base: testa di reggiatura, struttura con arco di scorrimento della reggia attorno al pacco, quadro elettrico di alimentazione con PLC Siemens e pannello proface, carrello svolgireggia.

| TECHNICAL FEATURES CARATTERISTICHE TECNICHE :	
STRAPPING REGGIATURA	Vertical Verticale
HEAD TESTA	Fixed, under Fissa sotto
PACKAGE DIMENSIONS DIMENSIONI PACCO	mm. 80-470 (W) mm. 30-500 (H)
WORKING HEIGHT ALTEZZA PIANO LAVORO	760-820mm
TENSION TENSIONE	Up to 5500 N (CFH1) Up to 2200N (CFL 2)
ELECTRICAL CABINET PULPITO	With PLC S7/300 proface
STRAP TYPE REGGETTA	PP, PET
ALIMENTATION ALIMENTAZIONE	400 V + 3F + N+ T – 50 HZ 24 V DC 2 kW ±

Options : Bigger arch for bigger packages, Light press, Flap opener, Compactor. Transit Version
Opzioni : Arco per pacchi di grandi dimensioni, Pressa leggera, Canaline, Compattatori. Versione Transit
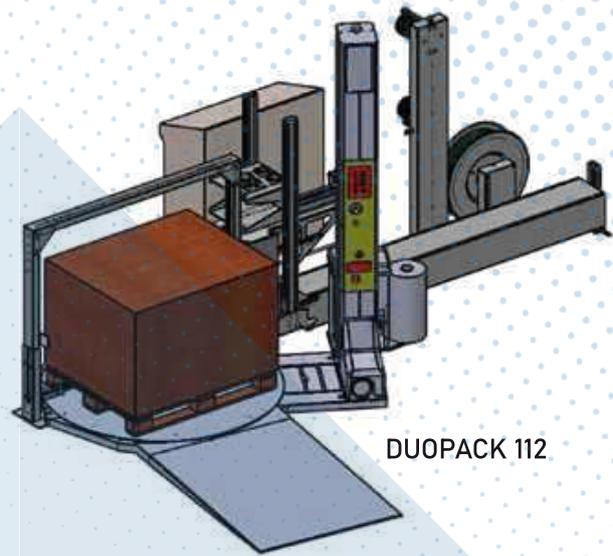
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INTERNATIONAL   4-5
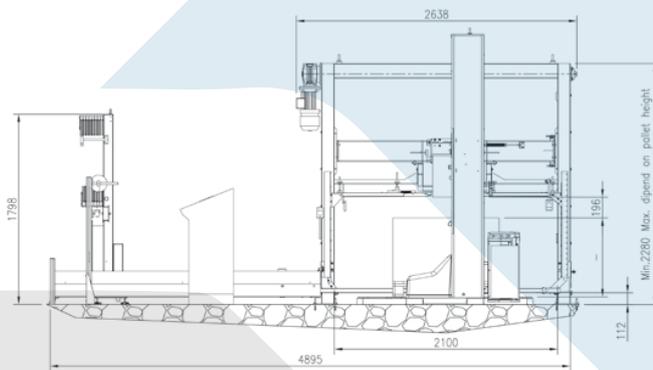
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OUR SPECIAL SYSTEMS DUOPACK – UNIQUE BY CYKLOP
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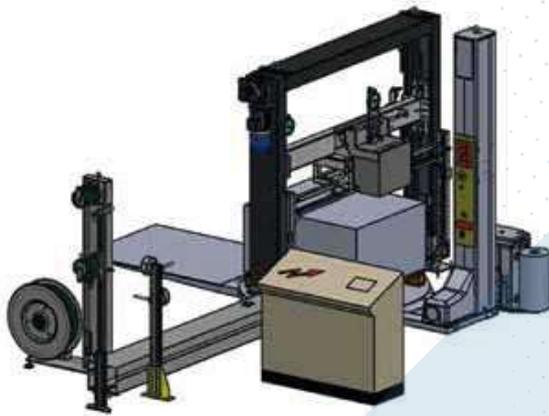
DUOPACK 111

DUOPACK 112

The DuoPack is a combination of approved Cyklop machines: a stretch wrapper and a strapping machine centrally controlled which ensures optimal operation and perfect strapping and wrapping result.

Il sistema DuoPack è una combinazione di macchine Cyklop: un avvolgitore e una reggiatrice con un controllo unico per un'ottimale confezionamento .

DUOPACK SPE also available
DUOPACK SPE disponibile

TECHNICAL FEATURES CARATTERISTICHE TECNICHE		
Strapping Reggiatura	Wrapper cst 212 Avvolgitore cst 212	
Check previous page Verificare pagine precedente	Nb pallets/ hour Pallet/ ora	Up to 15.
	Turntable diameter Diametro tavola Package dimension$_s$ Dimensioni pacco	Ø 1675 mm mm. 1000 X 1200
	Max. Weight Peso max.	2000 Kg
	Film type Tipo di film	12 – 35 μ
	Motorised prestretch system Sistema di prestiro	150– 200 –250 %

1
PRIMARY PACKAGING

→

PRODUCT CLOSURE

- Elastics
- Adhesive tape

PRODUCT CODING & MARKING

• Track and trace

Alphanumerics, Barcode, Trademark, Graphics

2
SECONDARY PACKAGING

→

BOX CLOSURE

• Tamper evident and ecological gummed paper tape

• Adhesive tape

BOX CODING & MARKING

• Track and trace

Alphanumerics, Barcode, Trademark, Graphics

3
TERTIARY PACKAGING

LOAD SECUREMENT

- Pallet strapping
- Pallet wrapping

PALLET CODING & MARKING

• Track and trace

Alphanumerics, Barcode, Trademark, Graphics

CYKLOP INTERNATIONAL 4-5

ELASTIC CORD MACHINES

Cyklop is one of the leading manufacturer of binding machines with elastic cord.

Cyklop è uno dei leader nella produzione di legatrici a filo elastico

TOOLS

Cyklop offers various strapping tools.

Cyklop offre diverse soluzioni di tendi-reggia.

STRAP

Cyklop is one of the leading manufacturers of plastic straps PP polypropilene and PET polyester for securing pallets.
Cyklop è uno dei leader nella produzione di reggetta.
PP, polipropilene e PET poliestere per la sicurezza dei carichi su pallet

TAPING & TAPE DISPENCERS

Cyklop offers a wide range of dispensers and automatic or semi-automatic taping machines with adhesive tape and gummed paper tape.
Cyklop produce una vasta gamma di umettatrici e nastratrici per nastro adesivo e carta gommata. Sono disponibili macchine automatiche.

STRETCH WRAPPERS

Cyklop offers a wide range of semi automatic and automatic wrappers.

Cyklop propone una vasta gamma di avvolgitori semi-automatici o automatici.

CODING & MARKING

The all new generation CM thermal inkjet printer created by Cyklop.
La nuova generazione di marcatori inkjet CM di Cyklop

CYKLOP
INTERNATIONAL   4-5

STRETCH WRAPPER CST 204 SERIES

Wraps irregular shaped loads. Uses forklift/palletjack to load stretch wrapper. Operator starts wrap cycle at machine. Operator manually cuts/attaches film. Easy change of all program parameters and settings with the new display. All functions can be manually operated such as film patterns and film tension. The chosen pre-stretch ratio stays constant, which guarantees a consistent low film consumption, load after load

Standard machine Specifications and Dimensions		
Machine	Table diam	TO1650 mm
	Speed	12rpm
	Capacity	10-25 pallets/hour (base on pallet height and turns to be wrapped
	Start/stop	Frequency controlled
	Bottom/Top wraps	1-9
	Film carriage speed	Variable speed
	Pre stretch ratio	300% and 230% manually, two-section variable (250% and 200% optional
	Stretch wrapping programs	8 adjustable
	Controller	PLC
Power	Supply	Single phase 240 V 50 Hz
	Loading	10A
Pallet Goods	Max size (length/width)	1200X1000 mm
	Max goods height incl. pallet	2200 mm
	Permitted load weight	2000 kg
Stretch Film	Core diameter, max	76 mm
	Outer diameter, max	250 mm
	Film width, max	500 mm
	Film thickness	9-35 mm
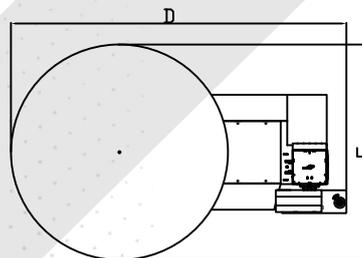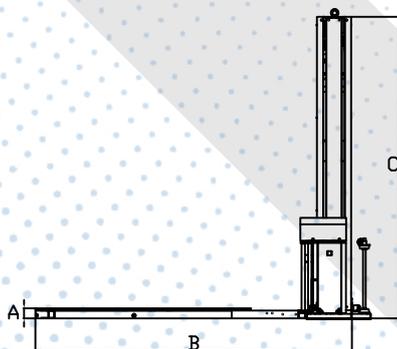
Dim(mm)	A	B	C	D	E
Standard	77	2406	2310	2550	1650

The operator loads the pallet on the turntable and starts the wrapping cycle with remote control or touch panel.
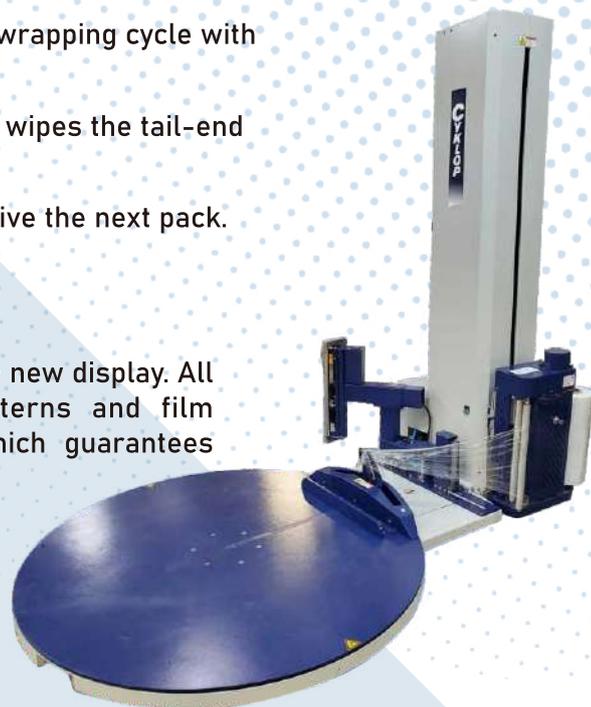
At the end of the cycle the machine cuts the film and the arm wipes the tail-end against the load

The film remains connected in the film gripper. Ready to receive the next pack.

The complete cycle will be done in automatic mode.

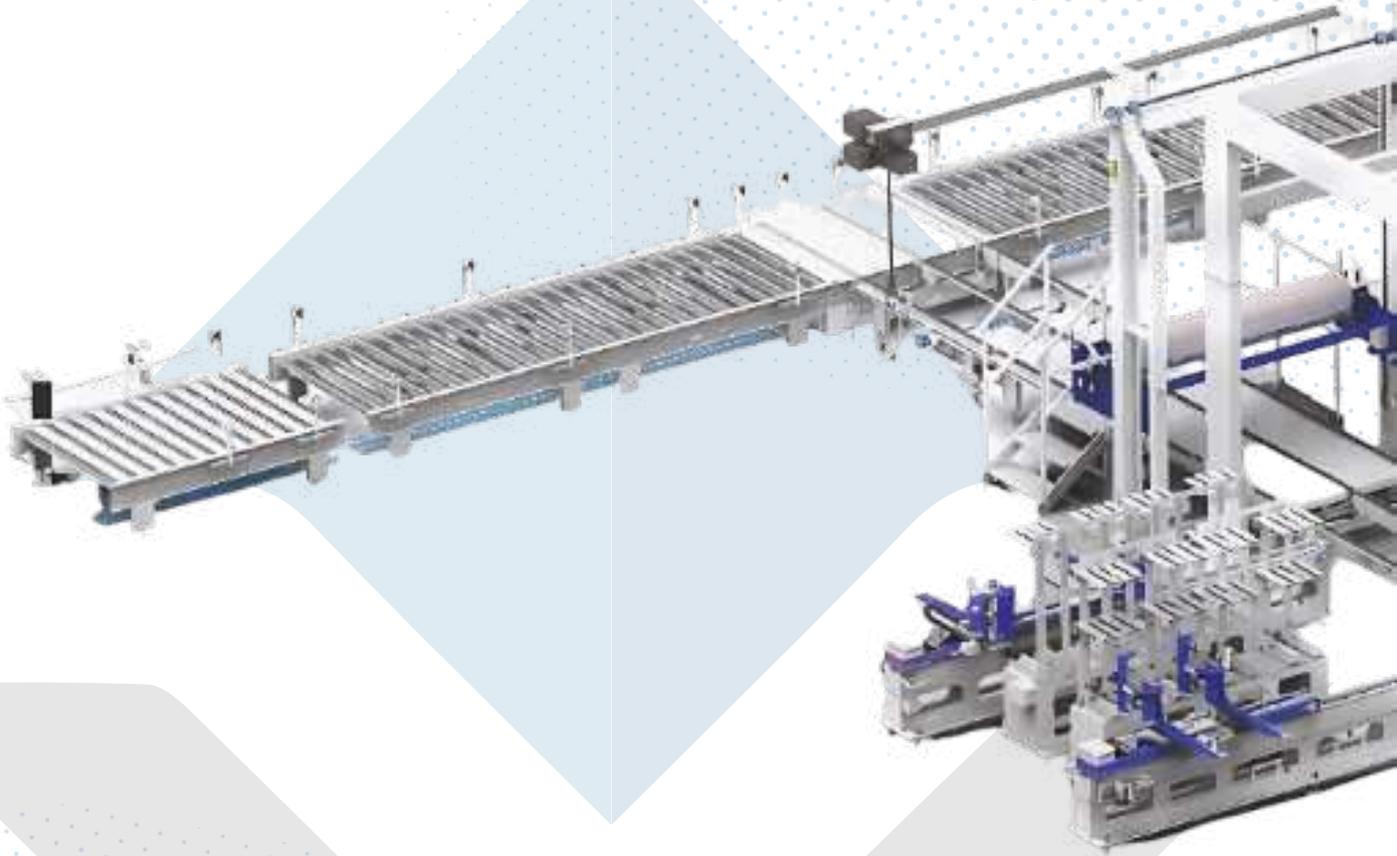The operator unloads the pallet manually.

Easy change of all program parameters and settings with the new display. All functions can be manually operated such as film patterns and film tension. The chosen pre-stretch ratio stays constant, which guarantees a consistent low film consumption, load after load.

Standard machine specification and dimensions

Machine		
Table diam		1650 mm
Speed		12pm
Capacity		10-25 pallets/hour (base on pallet height & turns to be wrapped)
Start / stop		Frequency controlled
Bottom / top wraps		1-9
Film carriage speed		Variable speed
Pre-stretch ration		250% and 200% manually, two-section variable (300% and 230% optional)
Stretch wrapping programs		8 adjustable
Controller		PLC
Power Supply		Single phase 240V 50 Hz
Loading		10. A
Pallet Goods Max size (length x width)		1200 x 1000 mm
Max. goods height incl. pallet:		2000 mm
Permitted load weight		2000 kg
Stretch Film Core diameter		76 mm
Outer diameter, max		250 mm
Film width, max		500 mm
Film thickness		9-35 my

CYKLOP® GLOBAL PACKAGING SOLUTIONS

STRAPPING WRAPPING CODING TAPING

DAMPL
"Your Automation, Our Innovation."

Automation Solutions for Complete Packaging Lines

Cyklop has been working in industrial automation for decades. With our specialization in machine control, machine and process automation and sustainability, we cover many areas. From analysis, design, capacity calculations and software engineering to the entire execution and implementation of the project. Of course, we take all safety measures into account, have the right consumables for you and offer the appropriate service plus maintenance.

Importantly, Cyklop provides comprehensive solutions not just for individual automation equipment or small projects but also for complete packaging lines in industries such as engineered wood, can manufacturing, food and beverage, photovoltaics, construction materials, paper, luxury goods, and more. Cyklop customizes integrated, intelligent packaging systems tailored to industry characteristics and product packaging needs, achieving full-process automation, significantly enhancing the efficiency and capacity of production lines, and helping businesses reduce costs and increase efficiency.
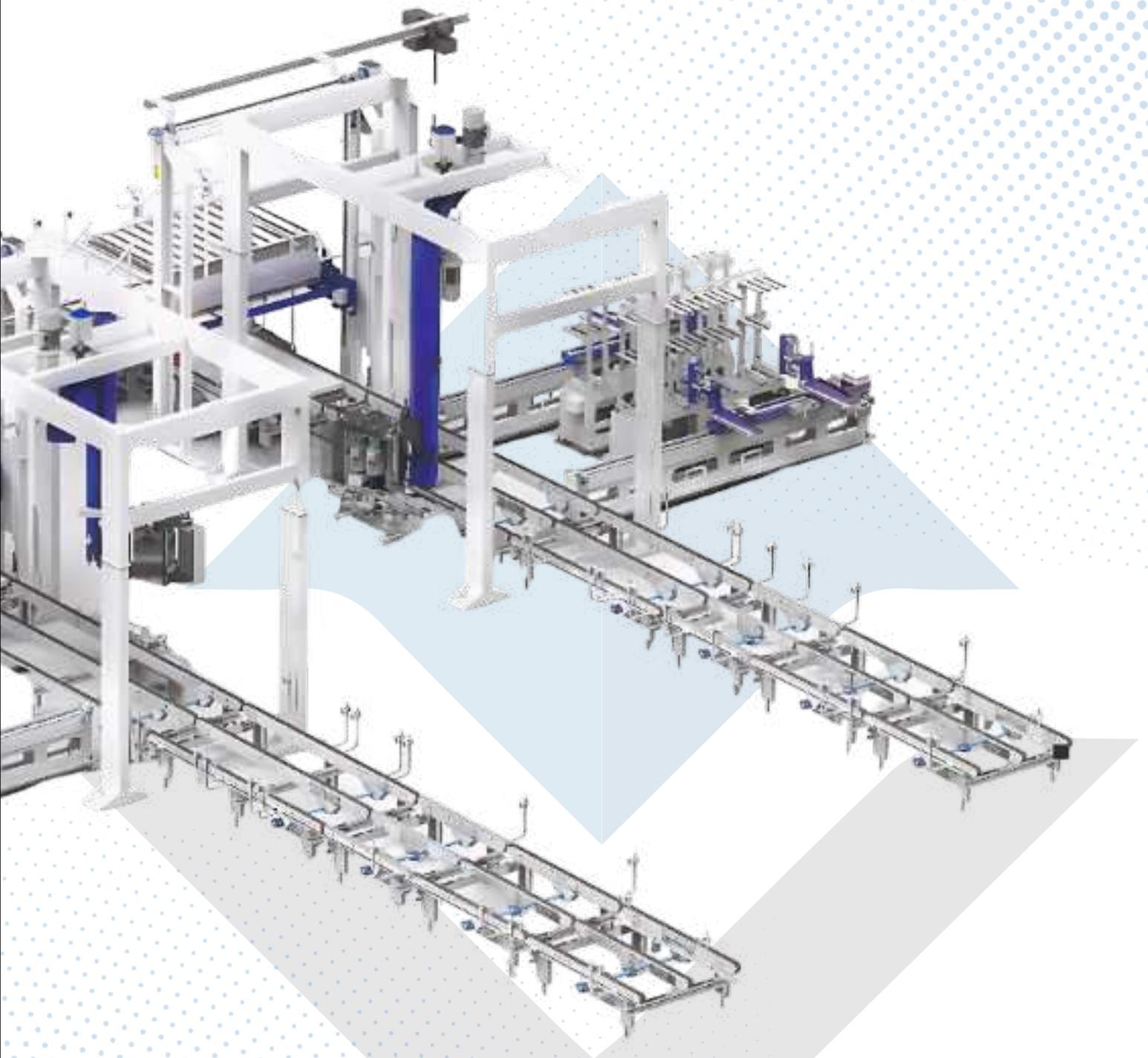
Cyklop Provides Automation Solutions to the Following Industries:

Photovoltaics: solar panels, solar brackets | Building materials | Paper: Corrugated paper, cartons

Food | Beverage | Can manufacturing | Luxury products | Pharmaceuticals | Chemicals | Batteries | Retail

Home furnishings | Daily chemicals | Home appliances | Automotive parts | Logistics | Wood-based panel

Products Provided in Automated Packaging Line Projects:

- Roller conveyors
- Chain conveyor
- Link belt conveyor
- Turntable
- Lift tables
- Shuttle systems
- Pallet Lifter
- Empty pallet magazines
- Edge protection
- Top sheet applicator
- Stretch-hooding machine
- Strapping machine

FULLY AUTOMATIC ARM WRAPPER

CSA Series

CSA 950   CSA 970   CSA 990

CSA Series Detailed Introduction

CSA series are brand-new fully automatic arm wrapping machines launched by Cyklop, which wrap pallets with stretch film. Thanks to its rotating arm, pallets can also be wrapped in a stationary position, which makes the pallet wrapper suitable for unstable and heavy loads, and offers high adaptability in product packaging.

Some devices of CSA series wrappers have 5 patents*, which can effectively control the film during the packaging process, enhance heat sealing accuracy and packaging stability, reduce waste, and improve production efficiency.

*5 patents mentioned above are obtained in China:
1. Cutting device, wrapping device, and cutting method, patent no. ZL202321622397.9
2. Blocking device, patent no. ZL202321623474.2
3. Moving device, patent no. ZL202321620044.5
4. Pre-stretching device, patent no. ZL202321851964.8
5. Support structure, patent no. ZL202321850754.7

Technical features	
Speed	CSA950: up to 25 rpm CSA970: up to 30 rpm CSA990: up to 35 rpm
Min. pallet dimensions (LxW)	400 x 600 mm
Max. pallet dimensions (LxW)	1120 x 1420 mm (other on request)
STD pallet height	2100 mm
Stretch film reel external diameter	250 mm
Stretch film reel weight	18 kg (other on request)
Conveyor height	500 mm
Stretch film reel height	500 mm
Film thickness	10-35 µm
Others	All models can be equipped with top sheet dispenser.

Characteristics

- High-strength shaped structure.
- CSA structure is for all machine models, and most parts are interchangeable.
- Stretch film delivery control with two motor torque types are provided: pre-stretch ratio of TPS1 motor torque is 150%-350%, pre-stretch ratio of TPS2 motor torque is 0-400%.
- Contactless film cutting system is used to effectively increase the service life of wear parts.
- Movable film cutting system is suitable for pallets with large dimensional differences.
- Stretch film sealing system can save up to 70% of energy consumption, and it is designed with safety and cost reductions in mind.
- CSA series wrappers are universal because the wrapper can be installed on any type of pallet conveyor without any mechanical modifications.
- Horizontal gripper movement system adapts to any type of pallets, even the products protrude the pallets.
- CSA series have reduced footprint for installation in any layout.

PRESTRETCH CARRIAGE MOD. TPS

Instant stretch film dispensing-pulling control with motor torque control, without dandy roller 50% less wear parts.

CONTACTLESS

Stretch film cutting with contactless hotwire: no maintenance.

QUICK FILM INSERTION (Q.F.I.)

Easy insertion of stretch film into the pre-stretch carriage.

CST 935

CST 935 Detailed Introduction

CST 935 is Cyklop's newly launched fully automatic turntable wrapping machine, which usesstretch film to wrap pallets. It efficiently wraps pallets through a rotating turntable, thanks to a systemwith a toothed thrust bearing and a gear motor controlled by an inverter. The machine isplug-and-play, easy to instal, compact in structure, and can be configured in-line or with a 90'rotation at the end of the line to meet different operational needs.

CST 935 has 5 patents*, which can effectively control the film during the packaging process, enhanceheat sealing accuracy and packaging stability, reduce waste, and improve production efficiency.

*5 patents mentioned above are obtained in China:
1. Cutting device, wrapping device, and cutting method, patent no. ZL202321622397.9
2. Blocking device, patent no. ZL202321623474.2
3. Moving device, patent no. ZL202321620044.5
4. Pre-stretching device, patent no. ZL202321851964.8
5. Support structure, patent no. ZL202321850754.7

Characteristics

- ■ Multiple standard options are available, including roller-type and chain-type turntables.
- ■ It adopts a turntable support and rotation with a bearing cogwheel, with a maximum load capacity of up to 2000kg.
- ■ Equipped with photoelectric automatic height detection.
- ■ Precise rotation is achieved through turntable geared motor controlled by inverter.
- ■ Stretch film delivery control with two motor torque types are provided: pre-stretch ratio of TPS1 motor torque is 150%-350%, pre-stretch ratio of TPS2 motor torque is 0-400%.
- ■ 90°infeed/outfeed options are provided.
- ■ Contactless film cutting system is used to effectively increase the service life of wear parts.
- ■ Movable film cutting system is suitable for pallets with large dimensional differences.
- ■ Stretch film sealing system can save up to 70% of energy consumption, and it is designed with safety and cost reductions in mind.
- ■ CST 935 is universal because the wrapper can be installed on any type of pallet conveyor without any mechanical modifications.
- ■ Horizontal gripper movement system adapts to any type of pallets, even the products protrude the pallets.

Technical features

Technical features	
Speed	up to 14 rpm
Min. pallet dimensions (LxW)	800 x 1200 mm
Max. pallet dimensions (LxW)	1000 x 1200 mm
STD pallet height	2100 mm
Stretch film reel external diameter	250 mm
Stretch film reel weight	18 kg (other on request)
Conveyor height	500 mm
Stretch film reel height	500 mm
Film thickness	10-35 µm
Others	Can be equipped with top sheet dispenser

PRESTRETCH CARRIAGE MOD. TPS

Instant stretch film dispensing-pulling control with motor torque control, without dandy roller 50% less wear parts.

CONTACTLESS

Stretch film cutting with contactless hotwire: no maintenance.

QUICK FILM INSERTION (Q.F.I.)

Easy insertion of stretch film into the pre-stretch carriage.

FULLY AUTOMATIC RING WRAPPER

CSR Series

`CSR 970` `CSR 990`

CSR Series Detailed Introduction

The fully automatic ring wrappers can quickly complete pallet packing, greatly enhancing production line efficiency. It is easy to maintain, stable, and durable. The CSR 970 / 990 offers multiple wrapping options for different industries.
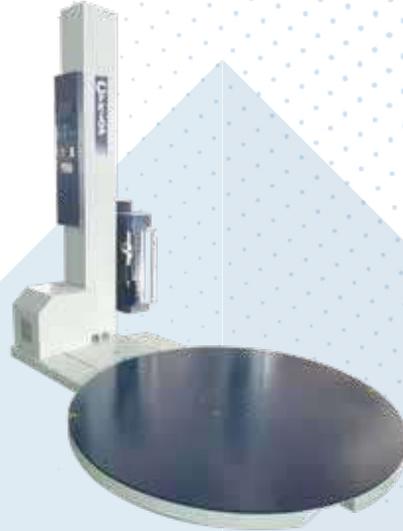
Technical features	
Max rotating speed	40 rpm
Max. pallet dimensions (LxW)	1,900 x 1,900 mm
Max. pallet height	2,100 mm
Pallet through-put	CSR 970: 60 pal/h CSR 990: 100 pal/h

CST 203

CST 204

CST 205

CST 203 / 204 / 205 Detailed Introduction

The CST 203 / 204 / 205 wrappers can wrap irregularly shaped products with ease. Operators can load products onto th wrapping machine by using a forklift/pallet truck, and operate the wrapper via a touchscreen or remote control. Th user-friendly interface simplifies changes to the wrapping program and parameter settings.

Technical features			
Model	CST 203	CST 204	CST 205
Turntable diameter	1,650 mm	1,650 mm	1,650 mm
Speed	12 rpm	12 rpm	12 rpm
Pallet through-put	10-25 pal/h (base on pallet height and turns to be wrapped)		
Pre-stretch	Anti-stretch brake type	300% and 230% manually,two-section variable (250% and 200% optional)	
Max. pallet dimensions (LxW)	1,200 x 1,000 mm	1,200 x 1,000 mm	1,200 x 1,000 mm
Max. pallet height	2,200 mm	2,200 mm	2,000 mm
Permitted load weight	2,000 kg	2,000 kg	2,000 kg

Option: Horseshoe

The slots in the turntable make it easier to load the wrapper with hand pallet trucks. The loading side is configurable and can be adapted to customer requirements.

Option: Ramp

Ramp is used to get the goods up on the machine, e.g. with a hand stacker.

CSM Series

CSM 220   CSM 230   CSM 250

CSM Series Detailed Introduction

Self-propelled wrapping machines can independently "walk" around goods and wrap them with film, unrestricted by space or the size and shape of the goods.

V2x AGM battery, 12V, 58 Ah each - high performance and long service life.

Temperature range: +5°C to +40°C

Package dimensions: Min. L500 x W400 mm / Max. L7,000 x W6000 mm / Circumference: max. 26 m

Characteristics

■ Round products can be processed.
■ Mechanical safety protection of the film stretching system.

Technical features			
Model	CSM 220	CSM 230	CSM 250
Pre-stretch	-	-	200%
Pallet through-put	200 pals./charge	200 pals./charge	200 pals./charge
Speed	50 - 80 m/min	50 - 80 m/min	50 - 80 m/min
Film thickness	12 - 35 μm	12 - 35 μm	15 - 30 μm
Max. wrapping height	2,100 / 2,600 / 2,800 mm	2,100 / 2,600 / 2,800 mm	2,100 / 2,600 / 2,800 mm

CSO Series `CSO`

CSO Semi Automatic Horizontal Wrapper Detailed Introduction

The semi-automatic horizontal wrapper is the perfect solution for long goods such as profiles, laths or similar products. The load is secured, safely packed and stabilised. Main components include:

-- Infeed and outfeed roller conveyors
-- Side guides, manually adjustable
-- Mechanical pressure roller, manually adjustable
-- Double film head (incl. second clamp and cutting unit)

Technical features	
Speed	90 rpm
Film width	125 / 250 mm
Max. diameters	2,000 x 950 mm
Max. diameters	Adjustable

CSO Series `CSO-A`

CSO Fully Automatic Horizontal Wrapper Detailed Introduction

The fully automatic horizontal wrapper can be integrated into production lines and is the perfect solution for packaging long goods such as profiles, slats or other long goods with stretch film. Main components include:

-- Side guides, manually adjustable or pneumatically driven
-- Film-sealing unit
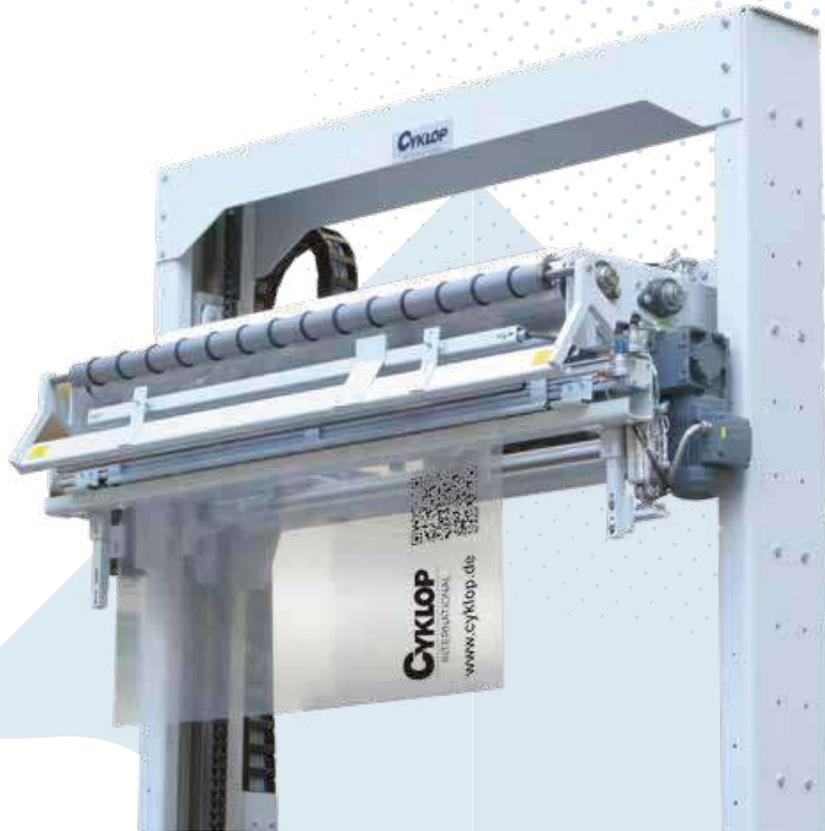-- Double film head (incl. second clamp and cutting unit)

Technical features	
Speed	90 rpm
Film width	125 / 250 mm
Max. diameters	2,000 x 950 mm
Max. diameters	Adjustable

TOP SHEET DISPENSER

CI 1110-M

CI 1110-M Detailed Introduction

During pallet transportation, covering goods with film provides additional dust and moisture protection. Cyklop's top sheet dispenser can be easily integrated into existing conveyor systems with different heights.

Characteristics

- Ionizing bar is optional
- Variable machine aperture
- Separate control cabinet including control
- Online continuous cutting film
- Mesh film or foam film
- Encoder customizes the cutting length arbitrarily.
- Logo / barcode / QR code printing

Technical features	
Film width	Max. 2,000 mm
Film thickness	50 – 100 µm
Pass-through	1,800 mm (standard)

ITF Top Flm Dispenser Detailed Introduction

The ITF system is integrated into the machine for dust-proof and rainproof wrapping.

Technical features	
Film thickness	60- 90 µm
Film quality	LLDPE
Sleeve inner diameter	76 mm

TSD Top Sheet Dispenser Detailed Introduction

The TSD system is located in the inlet area of the machine for dust-tight wrapping.

- Height detection with light barrier
- The film is separated using a knife
- The film roll drive is frequency-controlled

STRETCH HOODING MACHINE

Variable Ratio Stretch Hooding Machine

Fixed Ratio Stretch Hooding Machine

CSH Series Detailed Introduction

The stretch hooding machine is suitable for various pallet products. The film bag covers the products from top to bottom, providing four to five-sided wrapping, protecting against moisture, dust, and UV rays. The tough film clamping force ensures the safety and stability of the products, providing comprehensive protection for storage and transportation.

Technical features		
Model	Variable Ratio Stretch Hooding Machine	Fixed Ratio Stretch Hooding Machine
Capacity	Transport speed 250 mm/s, product size 750L×750W mm, 25% stretch	
Output (incl. pallet H:1800 mm)	＜80 pal/h	＜100 pal/h
Output (incl. pallet H:1200 mm)	＜90 pal/h	＜110 pal/h
Output (incl. pallet H:1000 mm)	＜100 pal/h	＜120 pal/h
Output (incl. pallet H:600 mm)	＜110 pal/h	＜130 pal/h
Compressed air pressure	0.5~0.7 MPa	0.5~0.7 MPa
Air consumption	140 L/min, ANR	300 L/min, ANR
Max. product heights	1800 mm	1800 mm
Min. cross-sectional dimensions of packaging	600 x 600mm	600 x 600 mm
Max. cross-sectional dimensions of packaging	1350 × 1350 mm	1400 × 1400mm
Min. transport height	600 mm	600 mm

Stretch Film Detailed Introduction

Stretch film is used to secure various pallet products, providing protection against dust, moisture, and broken during transportation and storage. The quality of the stretch film also affects the final packaging performance. Cyklop's professional team can provide suitable stretch films for different applications according to customer needs.

Characteristics

- High-strength protection: Made from high-quality raw materials and advanced processes, it enhances tensile and tear resistance, effectively resisting external impacts and ensuring the safety of products.
- Efficient protection: High transparency and excellent self-adhesion, dustproof, moisture-proof, UV-resistant, with added rust protection, suitable for various products.
- Cost-saving: High tensile strength and large elongation rate, reducing material usage while maintaining excellent wrapping effect, significantly lowering packaging costs.

DAMPL

"Your Automation, Our Innovation."

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