

A low-angle, upward-looking photograph of a modern white building with large windows, set against a bright blue sky with wispy white clouds. The building's facade is composed of white panels and large glass windows, creating a sense of height and modernity.

CORE SAVING & CUTTING MACHINES

ENGLISH

GA.VO. MECCANICA

Excellence Since 1989

Founded in the late 1980s after years of experience in the mechanical sector, GA.VO. Meccanica began by designing prototype machines for various industrial applications. In 1999, we introduced the **Core Saving and Cutting Machine** – a bold innovation that marked a new concept in the market.

We dedicated the following **five years** to redefining our revolutionary core cutting technology, leading to a **major milestone in 2006**: our debut at the **PLAST Milan International Exhibition** with the launch of the **TCAG** model. What began as a prototype soon became the **heart of our business**.



For over 20 years, we've helped reduce your costs with innovative, market-leading core cutting solutions.

GA.VO. MECCANICA

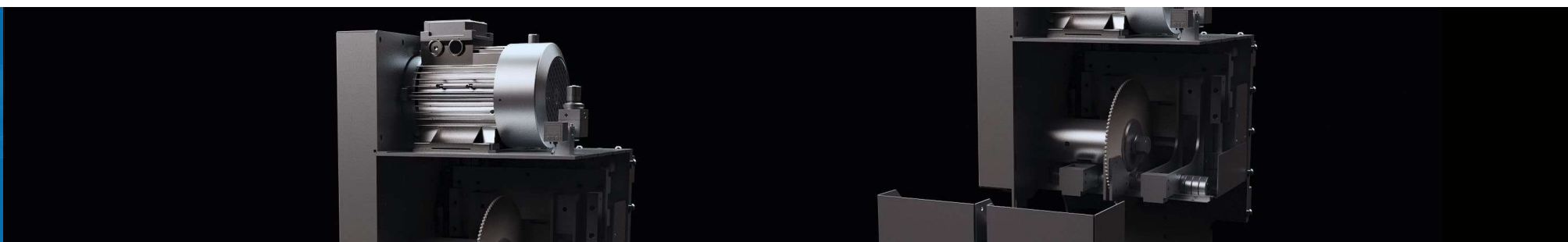
In **2014**, we moved into a new production facility, and by 2016, we reached a **manufacturing capacity of 50 machines per year**. Thanks to continuous technical improvements and a more efficient commercial strategy, **we increased productivity by 50%, producing 75 machines in 2018**.

Today, with passion and precision, we serve **over 60 countries**, with **1000 machines installed worldwide** and an annual output of 80 units. **Adaptability remains our key to growth**, as we evolve to meet the changing needs of the global market.



OUR GLOBAL FOOTPRINT

PRODUCTION, SERVICE & CUSTOMER SUPPORT



- Over **1000** machines installed worldwide.
- **9** models produced—ranging from manual to fully automatic solutions.
- **60** countries reached through our export network.
- **45** local agents providing on-the-ground expertise and support.
- **9** service hubs offering immediate technical assistance worldwide:
Italy, United States, South Africa, Benelux, Thailand, India, Pakistan, Russia, Chile, Colombia
- **5** spare parts offices ensuring fast and reliable delivery:
Italy, Germany, Poland, United States, Russia



SUSTAINABLE CUTTING, SMARTER SAVINGS

GA.VO. Meccanica's patented core joining system, paired with our Recyclo core stripper, creates a powerful, complete solution for sustainable production. By enabling efficient core reuse, this system reduces waste, cuts costs, and delivers fast ROI. It's a smart response to today's market demand - combining environmental responsibility with real economic value.



ZERO WASTE



INCREASED
SAVINGS



PATENTED
JOINING SYSTEM



ENHANCED
SUSTAINABILITY

CORE SAVING AND CUTTING MACHINES

CORE CUTTERS

Solutions for core cutting



automatic machines



semi-automatic machines



Manual machines

CORE CUTTERS



TCSG

The Highest Performance

automatic machines



TCAG

The Ultimate Solution for Waste Elimination

automatic machines



OPTIMA

Keyword OPTIMIZATION

automatic machines

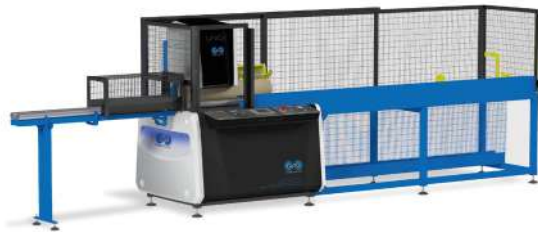


TCRG

The Best Seller

automatic machines

CORE CUTTERS



UNICA PLUS

The New Generation Semi-Automatic Cutting Machine

semi-automatic machines



UNICA

The Beginning of a New Era

semi-automatic machines



UNICA 300

The Semi-Automatic Core Cutter for Large Diameters

semi-automatic machines



TCEG

Excellent Results with Simplicity

manual machines

WHAT MAKES US **UNIQUE**?



TCSG



TCAG



UNICA

- **No Waste** thanks to the patented joining system
- **Same blade** for paper and plastic
- Cutting from **3" to 12" OD**
- **Automatic change of diameter** by touch screen
- **No mechanical adjustments**
- **90° perfect cut**
- Tolerance guaranteed from **+/- 0.1 mm to +/- 0.3 mm**

MAIN ADVANTAGES

- Elimination of pre-cut cores
(Streamlined warehouse operations)
- No disposal costs eliminates waste - related expenses
- Long lasting performance
- Reduced manpower requirements
Simplified operations with minimal staffing
- Optimized space usage
Streamlined layout for improved efficiency

ECONOMICAL ADVANTAGES Discover why GA.VO. meccanica's core cutters have a fast ROI	Daily Waste Output – Cost per Kilogram (USD)	Daily Waste Cost (USD)	Working Days per Year	Total Waste per Year	20% increase in operational costs due to waste disposal fees, extended management time, and reduced manpower efficiency		TOTAL SAVING COST IN 1 YEAR
	66 lbs x \$ 1.5	\$ 99	320	\$ 31,680	\$ 31,680	+ 20 %	\$ 38,016
	110 lbs x \$ 1.5	\$ 165	320	\$ 52,800	\$ 52,800	+ 20 %	\$ 63,360
	220 lbs x \$ 1.5	\$ 330	320	\$ 105,600	\$ 105,600	+ 20 %	\$ 126,720
	330 lbs x \$ 1.5	\$ 495	320	\$ 158,400	\$ 158,400	+ 20 %	\$ 190,080
	551 lbs x \$ 1.5	\$ 826.5	320	\$ 264,480	\$ 264,480	+ 20 %	\$ 317,376

- Perfect 90-degrees cutting quality
- High safety standards
- Core reuse and no waste production
- Low energy consumption
Sustainable performance with reduced power usage
- Fast return of the investment and Increased savings

MAIN ADVANTAGES

ECONOMICAL ADVANTAGES

Discover why GA.VO. meccanica's core cutters have a fast ROI

Daily Waste Output – Cost per Kilogram (EUR)	Daily Waste Cost (EUR)	Working Days per Year	Total Waste per Year	20% increase in operational costs due to waste disposal fees, extended management time, and reduced manpower efficiency		TOTAL SAVING COST IN 1 YEAR
30 kg x € 1,30	€ 39	320	€ 12.480	€ 12.480	+ 20 %	€ 14.976
50 kg x € 1,30	€ 65	320	€ 20.800	€ 20.800	+ 20 %	€ 24.960
100 kg x € 1,30	€ 130	320	€ 41.600	€ 41.600	+ 20 %	€ 49.920
150 kg x € 1,30	€ 195	320	€ 62.400	€ 62.400	+ 20 %	€ 74.880
250 kg x € 1,30	€ 325	320	€ 104.000	€ 104.000	+ 20 %	€ 124.800

TCSG Automatic



Technical sheet

Usable Materials	Cardboard, PP, PE, HDPE, PS STANDARD
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Min. Cut Length	10 mm - 0.39 in
Max External Diameter	230 mm - 9.05 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Accuracy	+/- 0.1 mm - 0.004 in
Productivity	up to 10 cuts per minute
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

TCSG - THE HIGHEST PERFORMANCE

LOADING SYSTEMS

AUTOMATIC LOADING SYSTEM

This system enables the loading of a full pallet of cores directly into the magazine using a forklift. Safety photocells ensure secure handling during insertion. Once the tubes are stabilized within the steel frame, the strapping is removed, and the machine automatically feeds itself until all cores are consumed.

AUTOMATIC CARRIAGE SYSTEM

A ground-anchored chain loading mechanism connects to a preloaded cart of cores. This highly flexible setup allows for rapid cart preparation and replacement, ensuring extended autonomy and minimal downtime.

AUTOMATIC DRAWER SYSTEM

Designed for versatility, this steel-framed system features multiple sliding levels that accommodate cores of various diameters. The machine autonomously selects and retrieves the required core from the appropriate drawer, enabling seamless multi-size loading within a single storage unit.

SEMI-AUTOMATIC LOADING SYSTEM

This configuration includes an inclined platform anchored to the ground, where cores are manually arranged. The standard version holds approximately twenty 3" cores or twelve 6" cores. It supports simultaneous loading of different tube sizes while maintaining the machine's automatic cycle.

MANUAL LOADING SYSTEM

A designated open side of the machine, safeguarded by protective barriers, allows operators to manually load full cores or individual pieces with ease and safety.

Automatic loading



Semi-automatic loading



Internal core cleaning



UNLOADING SYSTEMS

ROLLERS UNLOADING SYSTEM

A straightforward solution where cut pieces accumulate on a pair of rollers mounted on a sturdy steel frame. Simple, reliable, and easy to maintain.

SIMPLE EJECTION SYSTEM:

Equipped with a pneumatic pusher that automatically ejects the cut pieces, it ensures smooth and reliable handling.

STANDARD UNLOADING SYSTEM:

A fully automatic discharge system with the option to integrate an internal cleaning module for enhanced hygiene and efficiency.

DOUBLE AUTOMATIC UNLOADING:

A fully automated unloading system designed to discharge cut cores from both the front and rear sections of the machine. This dual-side configuration doubles unloading capacity and enables easy separation of cores by type—streamlining workflow and enhancing operational efficiency.

CAROUSEL UNLOADING SYSTEM:

Features rotating containers that sort and separate cores based on their cut lengths, ideal for managing multiple formats with precision.



ACCESSORIES

- External Deburring System
- Internal Core Cleaning Module
- Ionisation Device
- Core Printing Unit
- Automatic Filter Sleeve Cleaning System
- Automatic Dust Separation Device
- Modem for Remote Support
- Industry 4.0 Pack



TCAG Automatic



Technical sheet

Usable Materials	PP, PE, HDPE
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Min. Cut Length	15 mm - 0.60 in
Max External Diameter	190 mm - 7.48 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Accuracy	+/- 0.2 mm - 0.008 in
Productivity	up to 7 cuts per minute
Electronic equipment	Panasonic, Siemens, Allen-Bradley
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

TCAG - THE ULTIMATE SOLUTION FOR WASTE ELIMINATION

LOADING SYSTEMS

AUTOMATIC LOADING SYSTEM

This system enables the loading of a full pallet of cores directly into the magazine using a forklift. Safety photocells ensure secure handling during insertion. Once the tubes are stabilized within the steel frame, the strapping is removed, and the machine automatically feeds itself until all cores are consumed.

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A ground-anchored chain loading mechanism connects to a preloaded cart of cores. This highly flexible setup allows for rapid cart preparation and replacement, ensuring extended autonomy and minimal downtime.

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SEMI-AUTOMATIC LOADING SYSTEM

This configuration includes an inclined platform anchored to the ground, where cores are manually arranged. The standard version holds approximately twenty 3" cores or twelve 6" cores. It supports simultaneous loading of different tube sizes while maintaining the machine's automatic cycle.

MANUAL LOADING SYSTEM

A designated open side of the machine, safeguarded by protective barriers, allows operators to manually load full cores or individual pieces with ease and safety.

Automatic loading



Semi-automatic loading



Collecting table



ACCESSORIES

- External Deburring System
- Internal Core Cleaning Module
- Ionisation Device
- Core Printing Unit
- Automatic Filter Sleeve Cleaning System
- Automatic Dust Separation Device
- Remote Support Modem
- PP System

TCRG



Technical sheet

Usable Materials	Cardboard, PVC STANDARD
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Min. Cut Length	20 mm - 0.78 in
Max External Diameter	230 / 330 mm - 9.06 / 12.99 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Accuracy	+/- 0.3 mm - 0.012 in
Productivity	up to 5 cuts per minute
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

TCRG

THE BEST SELLER

LOADING SYSTEMS

SEMIAUTOMATIC LOADING SYSTEM

This configuration includes an inclined platform anchored to the ground, where cores are manually arranged. The standard version accommodates up to ten 3-inch cores, seven 6-inch cores, or five 8-inch cores. This setup allows for the simultaneous loading of different core sizes while maintaining the machine's automatic cutting cycle.

MANUAL LOADING SYSTEM

The manual loading system consists of an open side of the machine, safeguarded by safety barriers. This area enables the operator to manually insert full cores or individual pieces, providing a straightforward and secure solution for custom or small-batch operations.

UNLOADING SYSTEMS

ROLLERS UNLOADING SYSTEM

A straightforward solution where cut pieces accumulate on a pair of rollers mounted on a sturdy steel frame. Simple, reliable, and easy to maintain.

SIMPLE EJECTION SYSTEM

An automatic configuration equipped with a pneumatic pusher that efficiently ejects the cut pieces, ensuring smooth and continuous operation.

ACCESSORIES

- External Deburring System
- Ionisation Device
- Automatic Filter Sleeve Cleaning System
- Automatic Dust Separation Device
- Modem for Remote Support
- PP System
- Industry 4.0 Pack
- Core Printing Unit

Semiautomatic loading



Unloading rollers



Dust collector



OPTIMA



Technical sheet

Usable Materials	Cardboard, PVC STANDARD
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Min. Cut Length	7 mm - 0.28 in
Max External Diameter	250 / 350 mm - 9.84 / 13.78 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Accuracy	+/- 0.25 mm - 0.01 in
Productivity	up to 8 cuts per minute
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

OPTIMA

KEYWORD OPTIMIZATION

LOADING SYSTEMS

AUTOMATIC LOADING SYSTEM

This system enables the loading of a full pallet of cores directly into the magazine using a forklift. Safety photocells ensure secure handling during insertion. Once the tubes are stabilized within the steel frame, the strapping is removed, and the machine automatically feeds itself until all cores are consumed.

AUTOMATIC CARRIAGE SYSTEM

A ground-anchored chain loading mechanism connects to a preloaded cart of cores. This highly flexible setup allows for rapid cart preparation and replacement, ensuring extended autonomy and minimal downtime.

SEMI-AUTOMATIC LOADING SYSTEM

This configuration includes an inclined platform anchored to the ground, where cores are manually arranged. The standard version accommodates up to ten 3-inch cores, seven 6-inch cores, or five 8-inch cores. This setup allows for the simultaneous loading of different core sizes while maintaining the machine's automatic cutting cycle.

MANUAL LOADING SYSTEM

The manual loading system consists of an open side of the machine, safeguarded by safety barriers. This area enables the operator to manually insert bars or individual pieces, providing a straightforward and secure solution for custom or small-batch operations the operator to load full cores or pieces manually.

- + Selectable joint
- + Integrated vacuum system
- + Diameters 3" to 8/12"
- + Touch commands
- + Same blade for all materials
- + Streamlined maintenance
- + No mechanical operation

UNLOADING SYSTEMS

ROLLERS UNLOADING SYSTEM

A straightforward solution where cut pieces accumulate on a pair of rollers mounted on a sturdy steel frame. Simple, reliable, and easy to maintain.

SIMPLE EJECTION SYSTEM

An automatic configuration equipped with a pneumatic pusher that efficiently ejects the cut pieces, ensuring smooth and continuous operation.

DOUBLE AUTOMATIC UNLOADING SYSTEM

A fully automated unloading system designed to discharge cut cores from both the front and rear sections of the machine. This dual-side configuration doubles unloading capacity and enables easy separation of cores by type—streamlining workflow and enhancing operational efficiency.

ACCESSORIES

- External Deburring System
- Ionisation Device
- Automatic Filter Sleeve Cleaning System
- Automatic Dust Separation Device
- Modem for Remote Support
- PP System
- Industry 4.0 Pack
- Core Printing Unit



UNICA Plus



Technical sheet

Usable Materials	Cardboard, PVC, PP, PE
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157,48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157,48 in standard
Min. Cut Length	30 mm up to <5 mm 1.18 in (up to < 0.20 in)
Max External Diameter	190 mm - 7.48 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

UNICA PLUS – THE NEW GENERATION SEMI-AUTOMATIC CUTTING MACHINE

MAGIC BOX - CUTTING SYSTEM

This patented cutting unit is compact and concentrated in the box frame, resulting in a relatively lightweight design. This allows smooth vertical movement without straining the sliding components, while ensuring precise pressure control on the core. Thanks to this precision, even very thin tubes can be processed without risk of deformation. The device is strategically positioned to enable quick and easy blade replacement, minimizing downtime and maximizing efficiency.

USER FRIENDLY INTERFACE

Control panel: The console features a sleek, modern design engineered for optimal operator usability. Its intuitive touch interface provides dedicated pages for operation, maintenance, data management, and seamless integration with Industry 4.0 systems.

ACCESSORIES

- External Deburring System
- PP System
- Recipes Database
- Filter Cleaning
- Digital Measurements Control
- Industry 4.0 Pack

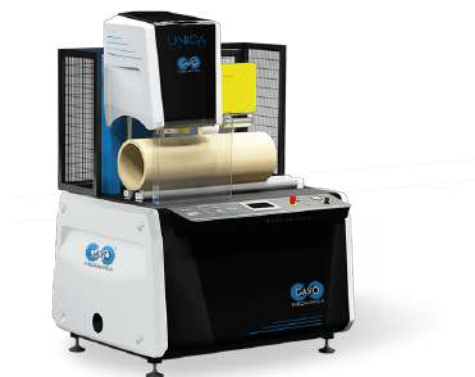
Magic box



Control station



UNICA 300



Technical sheet

Usable Materials	Cardboard, PVC
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157,48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157,48 in standard
Min. Cut Length	30 mm - 1.18 in
Max External Diameter	330 mm - 12.99 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

UNICA 300 – THE SEMI-AUTOMATIC CORE CUTTER FOR LARGE DIAMETERS

LOADING SYSTEM

MANUAL LOADING SYSTEM

The core is manually positioned onto the machine via a support roller conveyor. This system allows for the loading of both bars and individual pieces, offering flexibility for various production needs.

UNLOADING SYSTEM

ROLLER UNLOADING SYSTEM

A straightforward solution designed for efficiency: cut pieces are collected on a pair of rollers mounted on a sturdy steel frame, allowing for smooth accumulation and easy removal.

ACCESSORIES

- External Deburring System
- PP System
- Recipes Database
- Filter Cleaning
- Digital Measurements Control
- Industry 4.0 Pack
- Automatic pressure control con core.

Unloading rollers



Dust Extraction carriage



Dust collector



UNICA



Technical sheet

Usable Materials	Cardboard, PVC, PP, PE
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157.48 in standard
Min. Cut Length	30 mm up to <5 mm 1.18 in (up to < 0.20 in)
Max External Diameter	190 mm - 7.48 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

UNICA – THE BEGINNING OF A NEW ERA

MAGIC BOX - CUTTING SYSTEM

This patented cutting unit is compact and concentrated in the box frame, resulting in a relatively lightweight design. This allows smooth vertical movement without straining the sliding components, while ensuring precise pressure control on the core. Thanks to this precision, even very thin tubes can be processed without risk of deformation. The device is strategically positioned to enable quick and easy blade replacement, minimizing downtime and maximizing efficiency.

USER-FRIENDLY INTERFACE

Control Panel: The console features a sleek, modern design engineered for optimal operator usability. Its intuitive touch interface provides dedicated pages for operation, maintenance, data management, and seamless integration with Industry 4.0 systems.

ACCESSORIES

- External Deburring System
- PP System
- Recipes Database
- Filter Cleaning
- Digital Measurements Control
- Industry 4.0 Pack
- Automatic pressure control con core.

Magic box



Control station



TCEG



Technical sheet

Usable Materials	Cardboard, PVC
Max Core Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157,48 in standard
Max Cut Length	2000, 3000, 4000 mm standard 78.74, 118.11, 157,48 in standard
Min. Cut Length	80 mm - 3.15 In
Max External Diameter	175 mm - 6.89 in
Min. External Diameter	80 mm - 3.15 in
Max Thickness Tubes	25 mm - 0.98 in
Min. Thickness Cardboard Tubes	4 mm - 0.16 in
Min. Thickness Plastic Tubes	3/4 mm - 0.11 / 0.16 in
Electronic equipment	Siemens
Voltages	400V 50Hz / 480V 60Hz STANDARD
Compressed Air Pressure	6 Bar

TCEG - EXCELLENT RESULTS WITH SIMPLICITY

LOADING SYSTEM

MANUAL LOADING SYSTEM

The core is manually positioned onto the machine via a support roller conveyor. This system allows for the loading of both full cores and individual pieces, offering flexibility for various production needs.

UNLOADING SYSTEM

ROLLER UNLOADING SYSTEM

A straightforward solution designed for efficiency: cut pieces are collected on a pair of rollers mounted on a sturdy steel frame, allowing for smooth accumulation and easy removal.

Unloading rollers



Dust Extraction Carriage



Control station



OPTIONS LIST

	TCEG	UNICA	UNICA 300	UNICA Plus	TCRG	OPTIMA	TCAG	TCSG
Ionizing system	NO	NO	NO	YES	YES	YES	YES	YES
Blowing system	NO	NO	NO	NO	NO	YES	YES	YES
Automatic filter	NO	YES	YES	YES	YES	YES	YES	YES
Double filter for dust separation	YES	YES	YES	YES	YES	YES	YES	YES
PP cutting system	NO	YES	YES	YES	YES	YES	YES	INCLUDED
Deburring system	NO	YES	YES	YES	YES	YES	YES	YES
Recovery for damaged cores	NO	NO	NO	NO	YES	YES	NO	YES
Ewon modem for remote assistance	NO	NO	NO	NO	YES	YES	YES	YES
Minimum joining	NO	NO	NO	NO	YES	YES	NO	YES
Over limit	NO	NO	NO	NO	YES	INCLUDED	NO	YES

OPTIONS LIST

	TCEG	UNICA	UNICA 300	UNICA Plus	TCRG	OPTIMA	TCAG	TCSG
Recipe mode	NO	NO	NO	NO	YES	YES	NO	YES
4.0 industry pack	NO	NO	NO	NO	YES	YES	YES	YES
4.0 predisposition	NO	YES	YES	YES	YES	YES	YES	YES
Digital cutting length reader	NO	YES	YES	YES	NO	NO	NO	NO
Database for core data	NO	YES	YES	YES	NO	YES	NO	NO
Siemens electrical equipment	NO	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	YES	INCLUDED
Allen Bradley electrical equipment	NO	NO	NO	NO	YES	YES	YES	YES
Panasonic electrical equipment	NO	NO	NO	NO	NO	NO	INCLUDED	NO
Printing device	NO	NO	NO	NO	YES	YES	YES	YES

OPTIONS LIST

	TCEG	UNICA	UNICA 300	UNICA Plus	TCRG	OPTIMA	TCAG	TCSG
Automatic loader	NO	NO	NO	NO	YES	YES	YES	YES
Semiautomatic loader	NO	NO	NO	NO	INCLUDED	INCLUDED	YES	YES
Manual loader	NO	NO	NO	NO	INCLUDED	YES	YES	YES
Removable carriages for automatic loader	NO	NO	NO	NO	YES	YES	YES	YES
Multiple loader	NO	NO	NO	NO	NO	YES	YES	YES
Automatic discharge station	NO	NO	NO	NO	YES	YES	YES	YES
Collecting table for discharge St.	NO	NO	NO	NO	YES	YES	YES	YES
Double discharge Station	NO	NO	NO	NO	YES	YES	NO	YES
Caorusel system	NO	NO	NO	NO	NO	YES	YES	YES
Mover system	NO	NO	NO	NO	NO	YES	NO	YES

CUSTOMIZED VERSIONS

Our automatic machines are built with a modular architecture, allowing seamless customization to meet specific production requirements. Each system is pre-configured to support:

- **Loading and Unloading Systems**

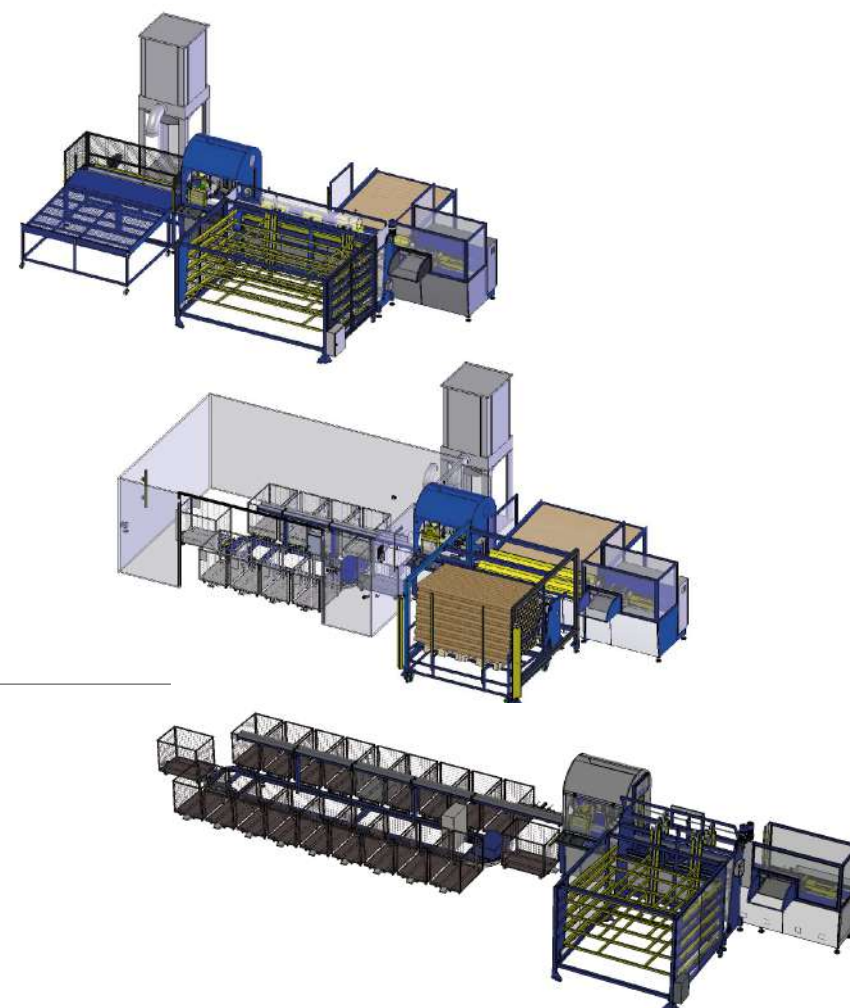
Flexible integration for various handling solutions

- **Mechanical Modifications**

Adaptable components for tailored performance

- **Electrical Modifications**

Scalable configurations to match operational needs



CORE SAVING AND CUTTING MACHINES

CORE STRIPPER

Solution for recycling



Recyclo machines



FOR AN EASIER AND
SAFER SEPARATION
OF THE WRAPPED
MATERIAL FROM
THE CORE

RECYCLO - THE CORE STRIPPER FOR REEL RECOVERY.



In partnership with



Innovative patented system
for the longitudinal cutting
of reels—designed to
separate wrapped material,
enable its recycling, and
recover the core for reuse.

Versatile Cutting Capability



Efficient Material Separation



User-Friendly Operation



RECYCLO KEY ADVANTAGES

EFFICIENT MATERIAL SEPARATION

Safely separates wrapped material from the core, eliminating the need for manual cutters or slow unwinding processes.

CORE PRESERVATION

The circular blade replaces the guillotine system and keeps the core intact for future reuse.

ENHANCED OPERATOR SAFETY

Designed to minimize risk and improve workplace safety.

VERSATILE CUTTING CAPABILITY

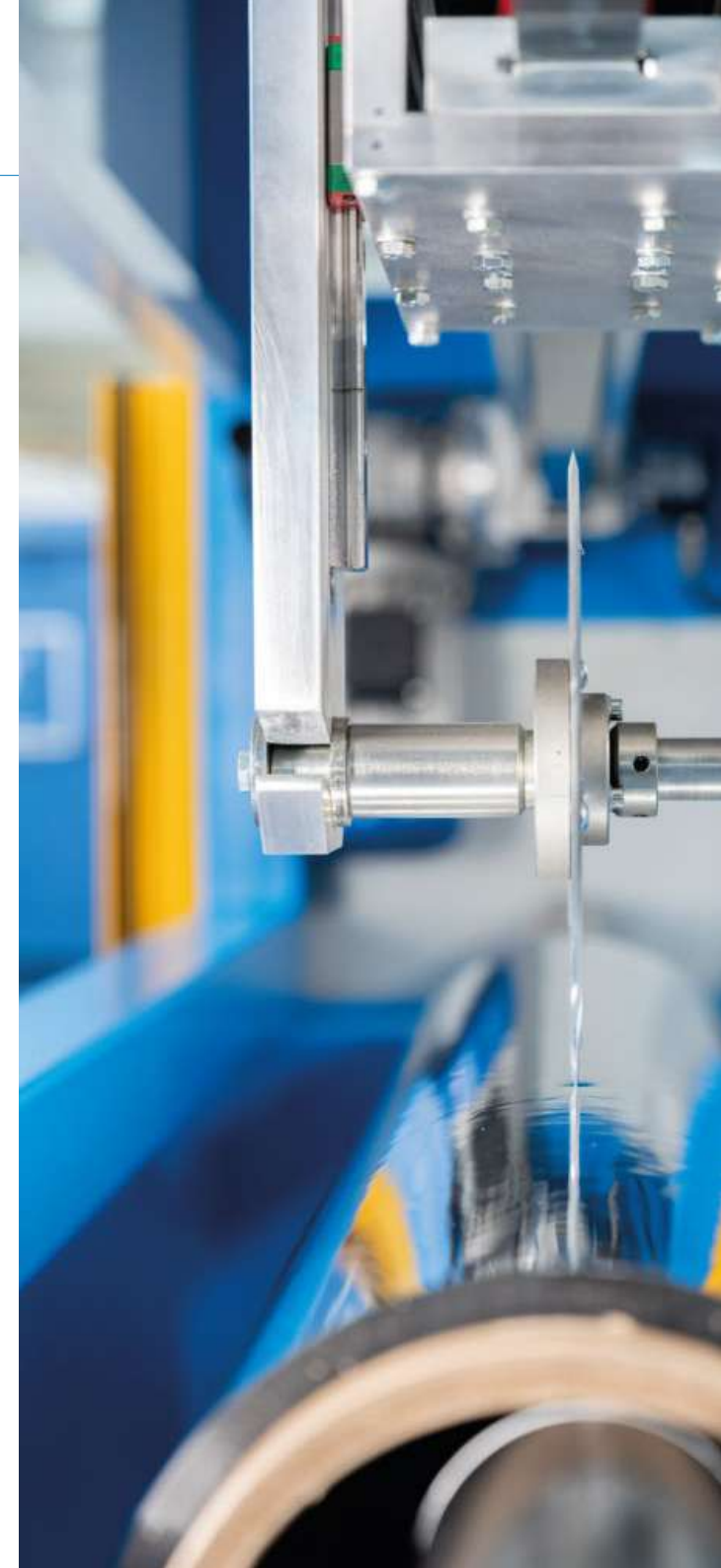
Cuts various external materials including paper, plastic, and aluminum.

USER-FRIENDLY OPERATION

Simplified core loading and intuitive machine setup.

COMPACT DESIGN

Easy to position at the end of the production line for convenient loading of defective spools and end reels.



TECHNICAL DATA SHEET

Technical data sheet

Minimum Core Diameter	76 mm - 3 in
Max Core Diameter	304 mm - 12 in
Max Roll External Diameter	600 mm - 23.62 in
Max Material Thickness to be Removed	100 mm - 3.94 in
Max Roll Length	1500 mm / 2500 mm - 59.06 / 98.45 in
Max Roll Weight	150 kg - 330.70 Lbs
Roll Loading	Manual
Roll Unloading	Manual
Material Unloading	By Removable Carriage
Machine Length	2644 / 4032 mm - 104.9 / 158.74 in
Machine Width	824 mm - 32.44 in
Machine Height	1552 mm - 61.10 in
Machine Weight	680 kg - 1499.14 Lbs
Installed Power (KW)	0.8 (KW)
HMI	Asem Touch screen 7* router VPN integrated optional
PLC	Panasonic



GLOSSARY

AUTOMATIC LOADER

Automatic device to load of a full pallet of cores (only for mother cores)

SEMI-AUTOMATIC LOADER

Semiautomatic device to load mother cores and shorter pieces

REMOVABLE CARRIAGES

Automatic device to easily exchange the loading of mother cores pallet

MULTIPLE LOADER

Automatic loader made of drawers where different mother cores are collected

AUTOMATIC UNLOADING STATION

Automatic device to unload cut cores

COLLECTING TABLE

Collecting device to accumulate cut cores once unloaded

DOUBLE DISCHARGE STATION

Automatic device to unload cut cores by front and backside (useful to separate pieces by size)

CAROUSEL SYSTEM

Automatic rotating device to collect cut cores in different containers by size

MOVER SYSTEM

Automatic linear device to unload cut cores in different positions

IONIZING SYSTEM

Device to improve the removal of dust from cores (mainly plastic)

BLOWING SYSTEM

Automatic device to improve the internal cleaning of cut cores

AUTOMATIC FILTER

Device to improve the cleaning of the filter sleeves

DOUBLE FILTER

Automatic device to collect separately paper and plastic dust

PP CUTTING SYSTEM

Device to improve the cutting quality on PP cores and any other softer plastic

GLOSSARY

DEBURRING SYSTEM

Automatic device to remove rough edges on the external side of plastic cores

RECOVERY PACK FOR DAMAGED CORES

Software device to trim out the damaged or defected edges of cores

EWON MODEM

Router for remote technical assistance

MINUM JOINING

Software device to manage the minimum distance from the cut to the joining

OVER LIMIT

Software device to make the most of the core working with No Joining mode

RECIPE MODE

Software device that stores and recalls optimized settings for different production needs

INDUSTRY 4.0

Software that enables smart connectivity, data exchange, and remote diagnostics (ewon modem included)

PREDISPOSITION 4.0

Software upgrade into the plc for data sharing (ewon included)

DIGITAL CUTTING LENGTH READER

Digital reader for a more accurate length selection

DATABASE FOR CORE DATA

Software device to save recipes

PRINTING DEVICE

On board device for printing information on the core outside surface



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