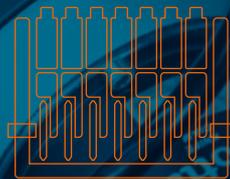


100
1925 2025



mariocotta

DESIGNED FOR PURPOSE





Aboutus

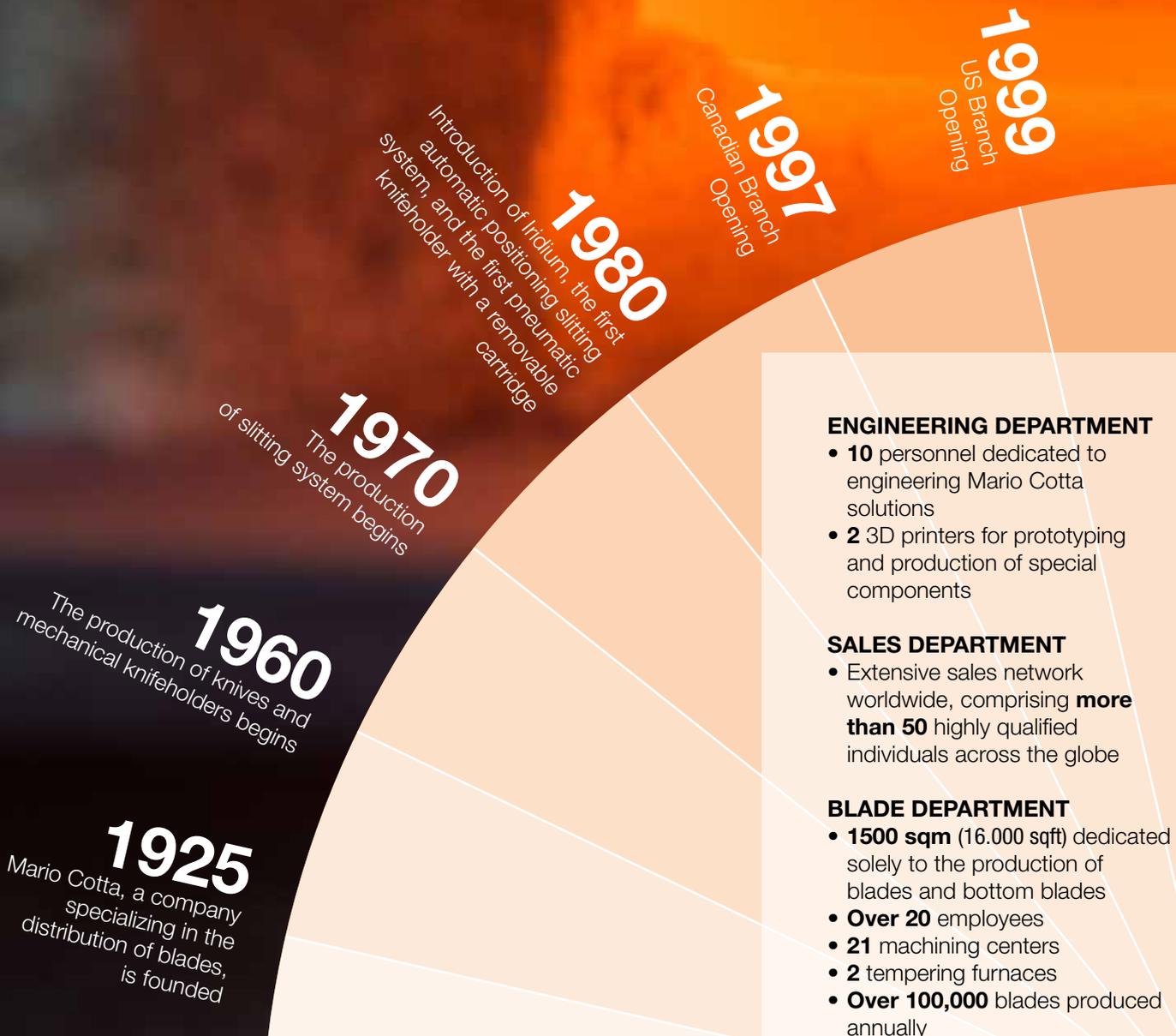
Leader in the production of circular industrial blades, pneumatic knife holders, spreader rolls, motors for bottom knife rotation, retrofiting, and complete slitting systems. With over 60 employees and an extensive network of agents and suppliers, Mario Cotta has become one of the most important partners for OEMs and End Users in the field of flexible materials.

Paper and cardboard, converting, plastic films, non-woven fabrics, aluminum - these are just some of the sectors covered by Mario Cotta.

mariocotta
DESIGNED FOR PURPOSE

HQ

With over **12000 sqm** (130.000 sqft) of production facilities located in Inveruno, in the province of Milan, just minutes away from Milan Malpensa Airport.



● AMERICA
mariocotta

● LATIN AMERICA
mariocotta

North American headquarters located in NJ, Flander, USA. Serving Canada, the USA, and Mexico. The local office and warehouse are structured to ensure a high level of service to the local market with standard products always in stock. A widespread network of partners in the territory, as well as commercial offices, allows for an immediate response to commercial and support needs.

South American headquarters located in Curitiba, Brazil. Production, commercial, and support departments guarantee customers in South America high-level technical and commercial service. The local warehouse ensures the presence of our standard products always in stock with quick deliveries in the territory.

Mario Cotta has been producing cutting equipment for all sectors **since 1925.**

600
Installed
slitting systems

10K
Knifemaker
produced annually

100K
Blades
produced annually

2000
 New 2" and 3" pneumatic knifeholders with removable cartridge are released

2010
 EOS - Electronic Operating Slitting - the first fully electronic slitting system is developed

2016
 The production of spreader rolls begins

2021
 Electro-pneumatic Knifemaker series is released

2021
 The complete series of Mario Cotta motors for anvils rotation is introduced

2025
 Celebrating 100 Years of Industrial Excellence

PNEUMATIC AND SPREADER ROLLS DEPARTMENT

- 8 specialized technicians for pneumatic knifeholder assembly
- **Over 10,000** knife holders produced annually
- **1500 sqm** (16.000 sqft) of assembly area
- **2** vertical automatic warehouses

SLITTING SYSTEMS DEPARTMENT

- **1200 sqm** (13.000 sqft)
- **12** Mechanical and Electrical Assemblers for slitting system assembly

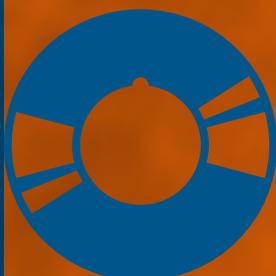
The divisions

Mario Cotta has been providing components and systems for cutting flexible materials for almost 100 years.

Over the years, different divisions have been introduced to be able to provide customers with a solution that covers 100% of their cutting needs.

We understand that each customer has unique and specific requirements, which is why we are committed to providing personalized and attentive service supported by our technical expertise.

The correct solution for your needs will be the perfect mix of the divisions presented here, and our offices will guide you with competence and reliability to achieve your cutting-related objectives.



Blades and Anvils

- **100.000** units/year
- All types of circular blades and anvils
- High-quality steels from certified sources
- Completely Italian production
- From 100Cr6 to Tungsten Carbide



Pneumatic Knife Holders

Lisa Series
Classic Series
X Series
H Series

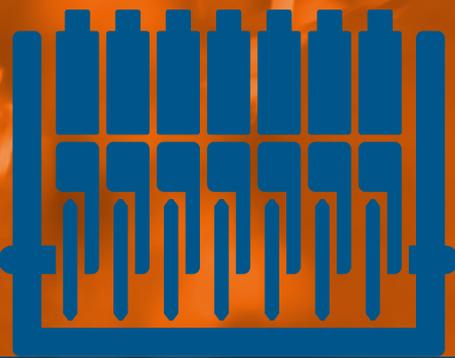
- **10,000** units/year
- Shear, Crush, Razor and Hot cut knifeholder
- Minimum slitting width: from **25mm (1")** to **100mm (4")**
- Speed up to **3000 m/min (9.850 fpm)**



Spreader Rolls

Metal

- Solutions for every industry
- From Ø75mm (2.95") to Ø350mm (13.78")
- Rubber coated, Chromed, Carbide Coating
- Fixed and Variable Bow
- Manual and Motorized Incidence
- Optional Bow Meter Box for bow reading



Slitting Systems

Independent Motors Shaft Based Customized Trim Cutting

- 50 Systems/year
- OEM Solutions
- Retrofit and transformation solutions for End Users
- Manual, Visualized, and Automatic Positioning



Motors

MC50
MC80
MC100

- Double bearing construction
- Slim design: from 100mm (3.94") to 50mm (1.97")
- High output torque
- High efficiency

Blades and Anvils

for all applications

Mario Cotta ensures maximum quality to achieve the best cut. The entire production process is conducted in-house, from tempering in robotized furnaces to finishing the blade, ensuring quality control throughout the production process.

Flat or dished circular blades of all diameters required by various sectors, including shear cutting, crush cutting, or hot cutting.

Traditional anvils, multigroove anvils, and anvils with Expando cutting rings are available.

We guarantee stock availability of standard-sized blades to meet just-in-time supply needs

1500 Sqm (16.000 sqft)
Dedicated solely to the production of blades and anvils

20
Specialized Technicians

2
Tempering Furnaces

1
of which is fully robotized

1
Robotized Beveling Machine

100,000
Blades and Anvils produced every year

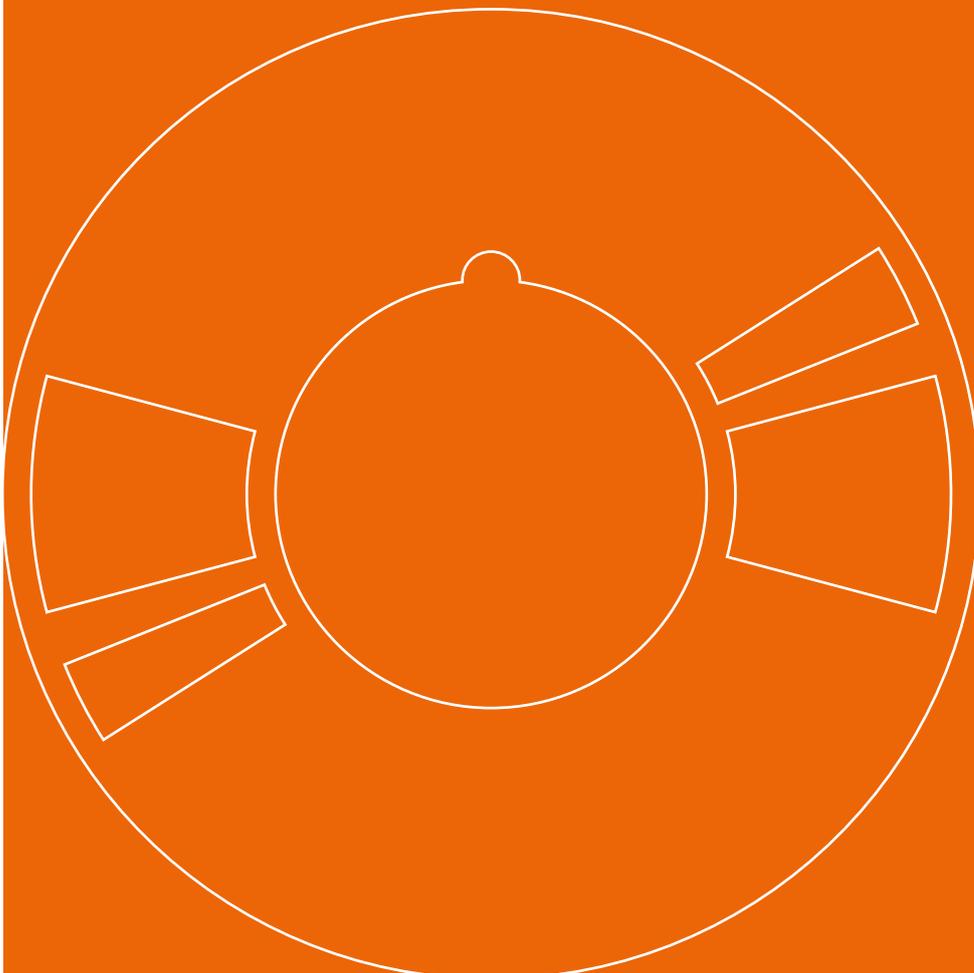
21
Machining Centers

FEATURES

- Steel sourced exclusively from Europe
- Production flexibility
- Quality control throughout the supply chain

BENEFITS

- Standard Products Always in Stock
- High-quality finished products
- Customized Productions





Flat Knives

- ØExt: min **90mm** (3.54")
max **220mm** (8.66")
- ØInt: min **60mm** (2.36")
max **80mm** (3.15")
- Bevel: single, double, inside recess
- Steel type: 100Cr6, K100, HSS, ASP 2023 - 2053



Dished Knives

- ØExt: min **62mm** (2.44")
max **150mm** (5.91")
- ØInt: min **40mm** (1.57")
max **100mm** (3.94")
- Bevel: single, double, hollow ground
- Steel type: 100Cr6, K100, HSS



Crush Cut Blades

- ØExt: min **76,2mm** (3.0")
max **150mm** (5.91")
- ØInt: min **19mm** (0.75")
max **70mm** (2.76")
- Steel type: 100Cr6, K100
- Angle: 30°, 45°, 60°



Traditional Anvils

- ØExt: min **77mm** (3.03")
max **200mm** (7.87")
- ØInt: min **45mm** (1.77")
max **140mm** (5.51")
- Locking type: free lock, self lock, multi lock
- Steel type: 100Cr6



Motor/Flanged Anvils

- ØExt: max **250mm** (9.84")
- ØInt: max **188mm** (7.4")
- Cutting edge type: single, double
- Steel type: K720, Tungsten Carbide



Multigroove anvils

- Dimension: custom up to **350mm** (13.78")
- Pitch: custom
- Cutting edge type: single, double
- Steel type: 100Cr6, D2



Aurette Anvils

- ØExt: min **160mm** (6.3")
max **250mm** (9.84")
- ØInt: min **112mm** (4.41")
max **188mm** (7.4")
- Steel type: HSS ring



Expando Anvils

- ØExt: min **105mm** (4.13")
max **360mm** (14.17")
- ØInt: min **80mm** (3.15")
max **300mm** (11.81")
- Steel type: HSS ring

Customized dimensions
upon request

Pneumatic Knifeholders

for cutting any flexible material

No material cannot be cut, and Mario Cotta knows this well. Mario Cotta is capable of offering, like no other company in the global market, slitting units, knifeholders, and accessories for any type of application. Mario Cotta is the only company in the world that can offer a range of over **40** knife holders for every type of need. From applications with a minimum cut of **12.5mm (0.5")** to heavy-duty and high-speed cutting in the paper industry. All types of cutting are covered. Shear cutting, Crush cutting, embossing, and hot cutting.

Nickel plating and assembly are 100% carried out in-house to guarantee constant control over the finished product. The customer can rely on a stock reserve of all standard products, allowing Mario Cotta to offer a highly flexible and efficient service. The Research and Development department is continuously working on updates, improvements, and the development of new products that can meet market demands.



1500 Sqm (16.000 sqft)

Dedicated to the assembly of pneumatic knife holders and spreader rolls

8 Specialized Technicians

5 Product Lines

Over 40

Models always in stock

10,000

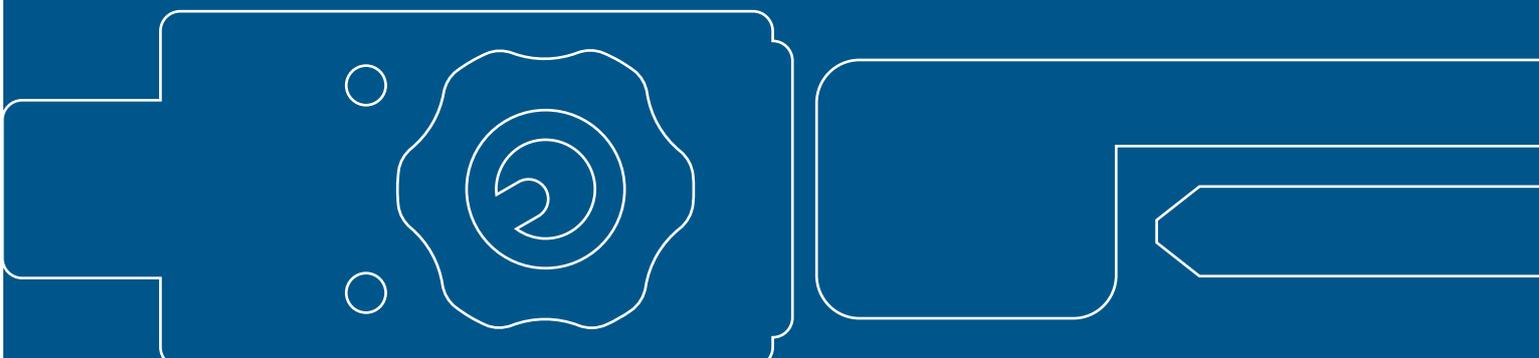
Knife Holders produced each year

FEATURES

- Extremely wide range
- Completely Italian production
- Quality control throughout the supply chain

BENEFITS

- Standard Products Always in Stock
- High quality of the finished product
- Customized productions





X Series

The new series designed for maximum flexibility with removable cartridge

FEATURES

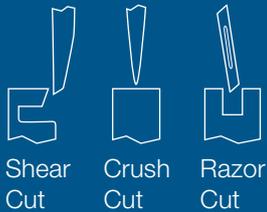
- Minimum Cut: **25mm (1")**, **35mm (1.37")**, **50mm (2")**, **75mm (3")**, **100mm (4")**
- On-Off Valve
- Single Air Inlet
- Removable Cartridge
- Continuous Cant angle adjustment
- Penetration adjustment Knob
- Mechanical Half-approach
- Use of enhanced bearings for better stability

BENEFITS

- Extreme cutting quality
- Ease of use
- Downtime reduction
- Production flexibility

CUTTING TYPES

Same body, different type of cutting:



Shear Cut

Crush Cut

Razor Cut



Razon Cut



Crush Cut



C Series

The Classic and solid Mario Cotta holder serie

FEATURES

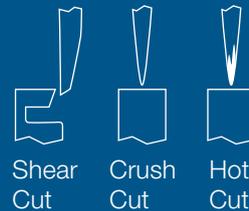
- Minimum Cut: **25mm (1")**, **50mm (2")**, **60mm (2.36")**, **100mm (4")**
- Single air inlet
- Steel body
- Blade Guard
- Penetration adjustment Knob
- Easy Cant angle adjustment
- Use of enhanced bearings for better stability

BENEFITS

- Simple and user-friendly use
- Maximum reliability
- Easy to maintain

CUTTING TYPES

Same body, different type of cutting:



Shear Cut

Crush Cut

Hot Cut



Crush Cut



Hot Cut

Pneumatic Knifeholders

for cutting any flexible material



LISA Series

The best-selling crush cut holder with removable cartridge.

MODELS

- Standard
- Reinforced for heavy-duty cuts
- With or without micro-adjustment of vertical stroke for half-cut or razor cutting
- Lisa Premium with machined steel body for automatic positioning
- Hot cutting

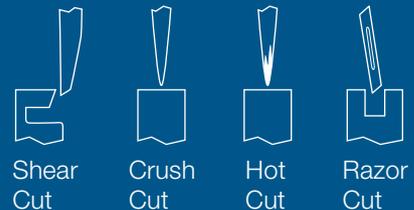
FEATURES

- Minimum cuts starting from **12.5mm (0.5")**
- Cost-effective design
- Removable cartridge
- Cartridges for crush, razor, and shear cutting
- Compact design

BENEFITS

- Simple and user-friendly use
- Maximum reliability
- Easy to maintain

CUTTING TYPES



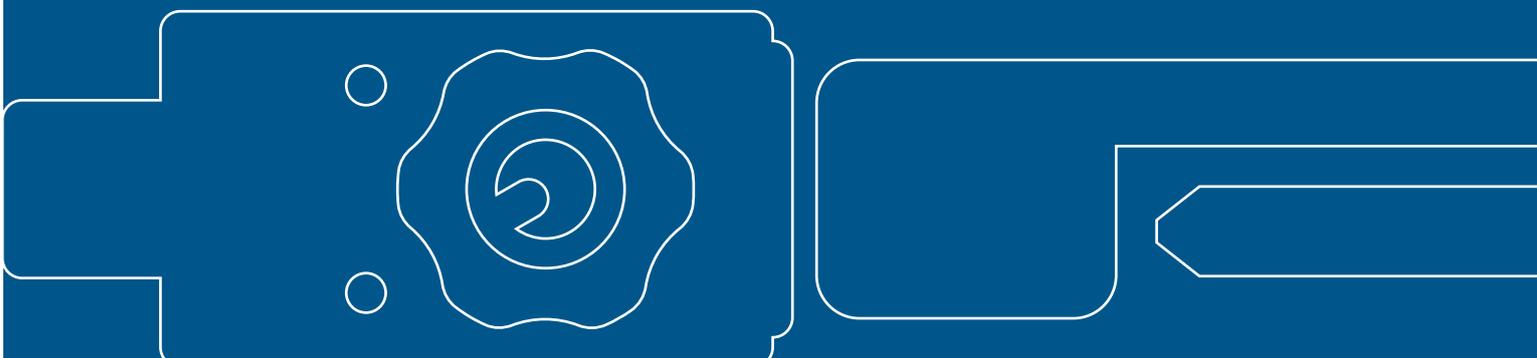
Shear Cut



Razon Cut



Hot Cut





H Series

The most technologically advanced knifeholder series

With the H Series, all variables related to cutting are automatically managed by the knifeholder, eliminating the possibility of any error.

Two models:

- H40 Minimum Cut **40mm (1.57")**
- H100 Minimum Cut **100mm (4")**

FEATURES

- Minimum cuts of **40mm (1.57")** and **100mm (4")**
- Electronic knife descent movement
- Automatic reading of the blade diameter
- Fine management of input pressure
- Double-acting pneumatic approach without springs – Permanent Side Load
- OLED screen for parameter management
- Cant angle adjustment
- Linear Side Load

BENEFITS

- Fine penetration adjustment in steps of **0,1mm**
- Fine adjustment of approach force. Steps of **0.3kg**
- Min run-out
- Automatic reading of the blade diameter at each work cycle to allow constant blade penetration, even after sharpening, without the intervention of any operator
- Accurate and precise side load



**H40
Knifeholder**



Spreader rolls

the best method for spreading your material



The department utilizes CNC machines, balancers, and a testing machine for rolls up to **9m (30 ft)** in length and speeds up to **3000m/min (9.850 fpm)**, to provide customers with products that align with Mario Cotta's quality standards. The entire process is overseen by a Technical Office and a highly specialized team of technicians.

- **Face length of any size**
- **Diameters up to 350mm (13.78")**
- **Metallic or high-quality rubber compound for every environment**
- **Fixed or Variable bow**
- **Paper, Film, Non Woven and Textile application**
- **New application or Replacement for OEMs and End Users**

1500 Sqm (16.000 sqft)

Dedicated to the assembly of pneumatic knife holders and spreader rolls

8

Specialized Technicians

More than 20

Rubber Compounds

TEST MACHINE

All spreader rolls produced by Mario Cotta undergo testing on our in-house test bench, which measures speed, temperature along the entire face length, and power absorption before being delivered to the customer.

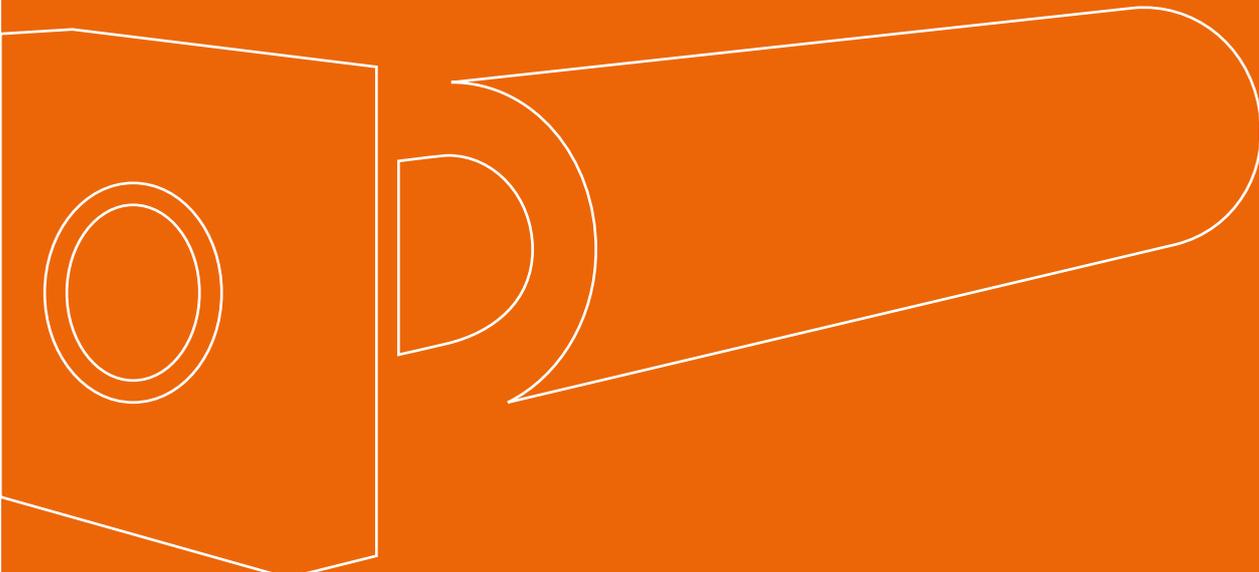
Mario Cotta is the only company capable of offering this type of testing to its customers.

FEATURES

- Completely Italian and in-house production
- Testing and balancing of each spool
- Designed for Purpose approach
- Speed testing of every roll produced

BENEFITS

- High quality of the finished product
- Spreader rolls for every type of position and use





Rubber-Covered Spreader Rolls

Spreader Rolls with rubber Sleeve. Diameters ranging from **50mm (1.97")** to over **300mm (11.81")** for every application and market. Mario Cotta offers a wide range of compounds to apply the spreader roll in any position and in any environment (hot, wet, acidic, etc.).

TYPES

- Fixed or Variable Bow (both mechanical and hydraulic)
- Rotating Incidence with manual or motorized actuation
- Bow-Meter Box, digital bow display on variable curvature models (optional)
- Possibility of grooving for high-speed
- Teflon sleeves for use in Heavy-Duty environments

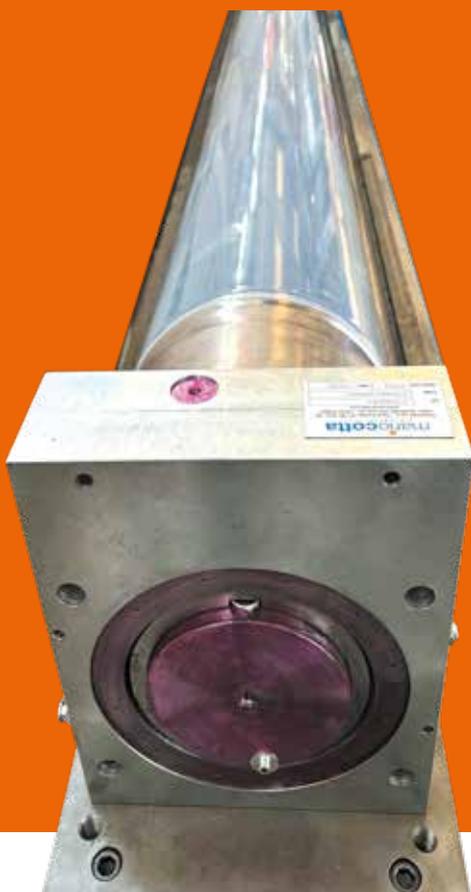
Metallic Spreader Rolls

Mario Cotta, on its metallic spreader rolls, is able to offer all the solutions that the market demands.

- Chromed Surfaces
- Tungsten Carbide Surfaces
- Grooved surfaces for high speeds.

TYPES

- Fixed or Variable Bow with hydraulic or mechanical actuation
- Rotating Incidence with manual or motorized actuation
- Bow-Meter Box, digital arrow display on variable bow models (optional)



Slitting systems

The Perfect Fusion of Mario Cotta's Experience and its Products.
Complete slitting systems for every application.

Mario Cotta is able to offer all the solutions that the flexible materials market demands. Every customer is different and has different needs and objectives. Mario Cotta's slitting systems can therefore be tailor-made. The ultimate goal is to completely satisfy customer expectations. First equipment, Retrofit, Upgrade, and Special Solutions to increase productivity, safety, and efficiency. The Mario Cotta Engineering team is always available to the customer.

1200 Sqm (13.000 sqft)
square meters dedicated solely to
the production of slitting systems

12
Specialized Technicians

Over 600
slitting systems installed
worldwide

FEATURES

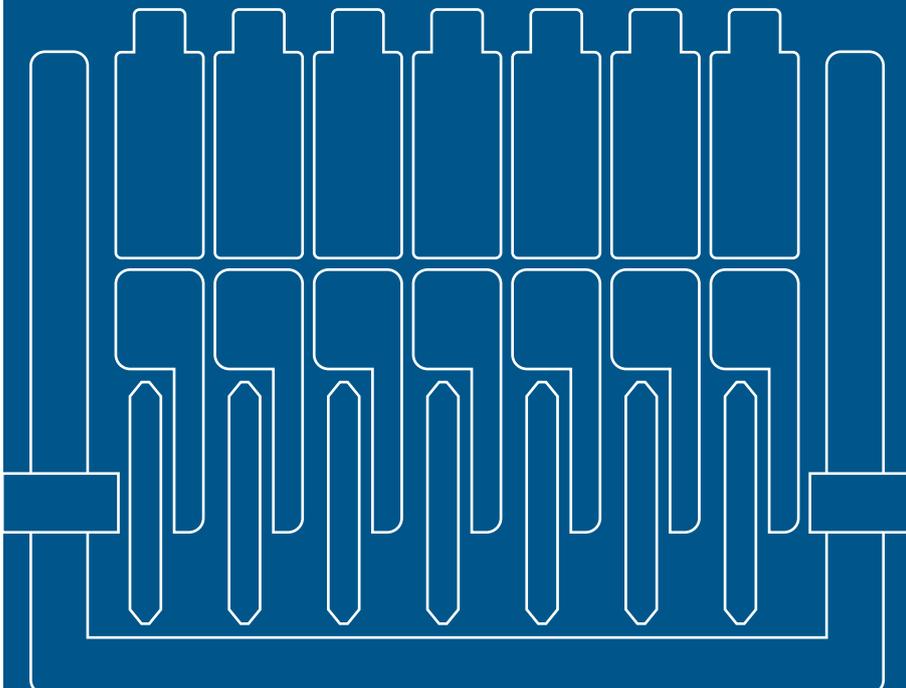
- Ultra-decadal experience in all applications
- Direct production of all components of the cutting system
- Designed for Purpose approach

BENEFITS

- A solution for every application
- Quality and delivery times always respected and guaranteed
- Customized productions aimed at solving customer problems

PRODUCTS

- Independent Motorized Systems
- Shaft Based Systems
- Customized Systems
- Trim Cutting Systems





Designed For Purpose Approach

“Designed For Purpose” is the Mantra. Every application has its peculiarities, and solutions are studied, adapted, and engineered by Mario Cotta’s technical office. Mario Cotta can offer the customer consultancy for achieving their objectives and improvements related to cutting and its applications.

Service and training

Mario Cotta provides assistance and maintenance to always keep the cutting section reliable. Mario Cotta also offer training sessions to machine operators to better understand and utilize the details of the slitting section and its usage.



Slitting systems

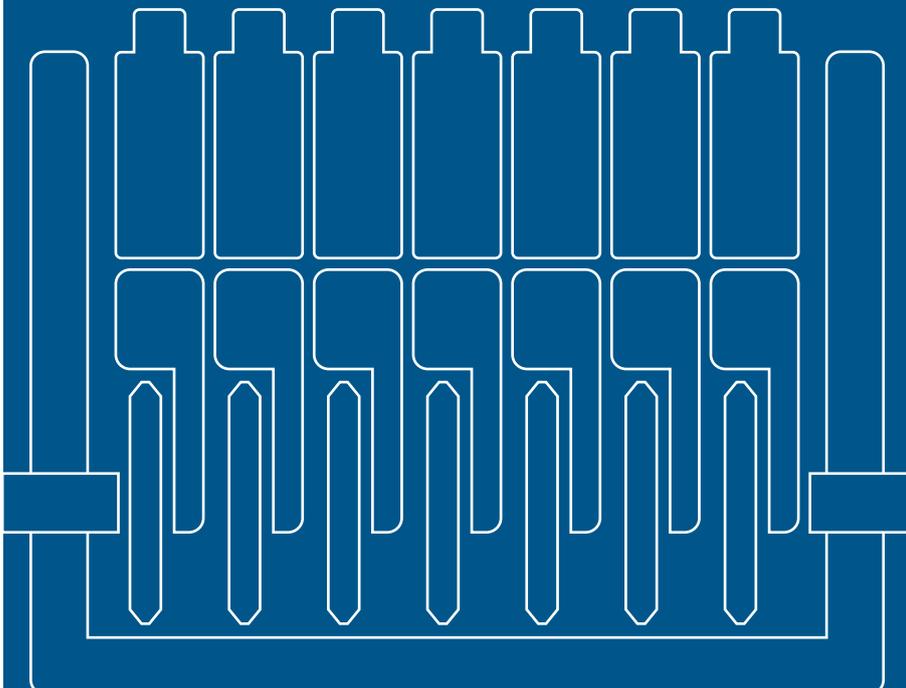
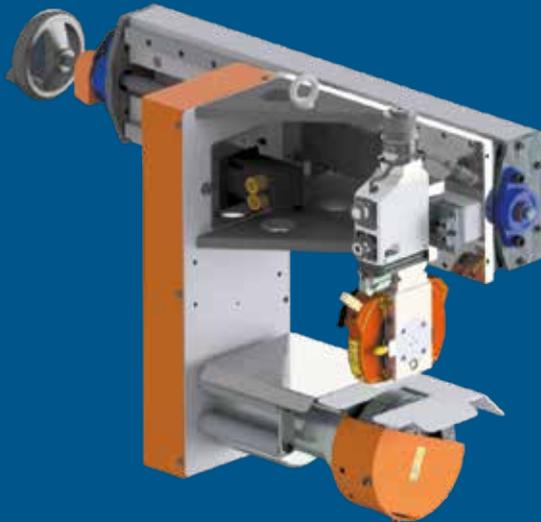
Trim Cutting systems

These are Mario Cotta systems designed specifically for trim cutting, consisting of two units: an upper and a lower unit connected by a C-Chassis. The upper unit consists of a pneumatic shear cut knife holder, and the lower unit consists of a motorized counter-knife.

APPLICATION TYPES

Our trim cutting can be studied and applied to different machines, even where trim cutting is not yet present. Whether the machine is a sheeter, a rewinder, a converting slitter, or a paper machine, Mario Cotta has the solution.

- Different types of anvils motors for different speed ranges.
- Positioning:
 - Manual
 - Manual with handwheel, endless screw, and digital position indicator
 - Automatic
- Possibility of automatic ejection of groups in case of paper breakage (Trim cutting for paper machines)
- Possibility of installing trim break groups





BENEFITS

- Possibility of installation on existing machines and subsequent increase in cutting speed and quality.
- Speed in format change
- Precision of trim measurements with better cutting quality guaranteed by a constant position of the knife on the bottom knife
- Option to use the Aurretta counter knife with disposable cutting ring in HSS steel, featuring double cutting edge and no re-sharpening costs
- Possibility of using male blades on the lower group to trim even the hardest or thicker materials.
- Mario Cotta's technical office can develop customized solutions based on the needs of its customers.



Slitting**systems**

Independent Motorized systems

The independent motorized system is the best solution for:

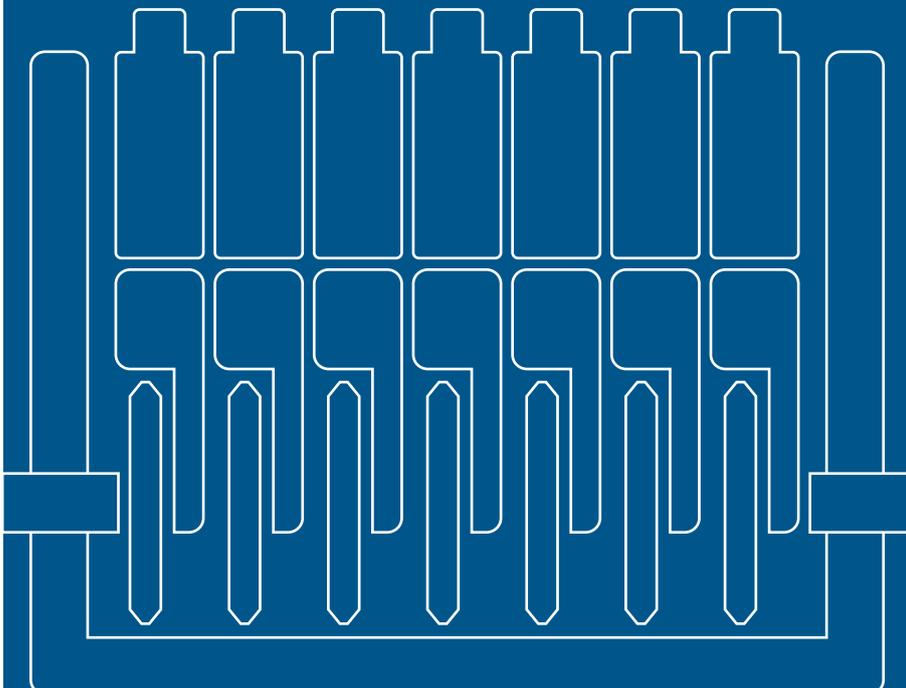
- High speed more than **1500m/min** (5.000 fpm) and till **3000m/min** (9.850 fpm)
- Wide machnese: more than **4m** (13 ft)
- Fast and accurate positioning
- **Quick ROI**

BENEFITS

- High-Performance Motors: **6** pole high torque and efficiency with a min cut of **50mm** (2"), and **80mm** (3.15") and speed up to **2000m/min** (6.500 fpm)
- Available for High-Speed Applications: up to **3000m/min** (9.850 fpm) using the high-performance **MC-100** motor
- No Need for Re-Sharping: also available with Aurretta bottom knife, featuring a disposable cutting ring in HSS steel with two cutting edges that eliminate the need for re-sharpening
- Consistent Cutting Quality: the distance between the bottom knife and knife remains constant over time, increasing the quality of the cut and the durability of the blades
- Operator-Independent Cutting Quality: cutting quality is not dependent on the operator
- Possibility of positioning with material inside the slitting section (web-in solution)



Manual Visualized Positioning



Simultaneous Automatic Positioning





Manual positioning

POSITIONING TYPE

- **Manual:** via a rack and pinion mechanism
- **Manual visualized:** via a rack and pinion mechanism and external digital readout or HMI showing the slitting groups quota
- **Automatic:** via brushless motor
- **Automatic simultaneous:** via independent motors on every slitting groups



Automatic Web-in Positioning



Automatic Web-in Positioning

Slitting systems

Shaft Based systems

The best solution for:

- Min cut less than **50mm (2")**
- Material width: less than **4m (13 ft)**
- Speed: less than **1800m/min (5.900 fpm)**
- **Quick ROI**

BENEFITS

- Engaging piston for simultaneous positioning of the upper and lower group, maintaining constant cutting values without losing the setup
- The anvils change occurs without disassembling the expandable shaft thanks to the Expandette cutting ring
- The cutting ring is made of HSS steel and allows for very long-lasting durability thanks to Mario Cotta's technologies
- The cutting ring, thanks to the double cutting edge, can be rotated by 180° and reused. No sharpening costs are incurred: only the cutting ring needs to be changed
- Extremely reduced machine downtime
- Possibility of positioning with material inside the slitting section (web-in solution)

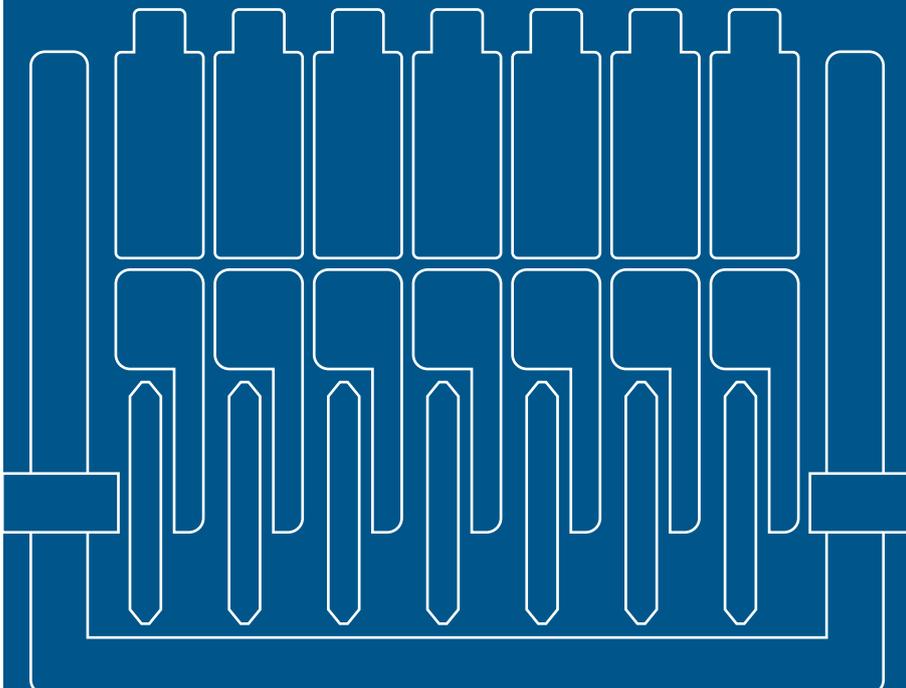
Expando Solution

Based on a Mario Cotta patent solution it rely on top and bottom part linked via an engaging piston to allow a quick and smooth positioning.

Multigroove Anvils Solution

The best solution for:

- Tight machine (no space for parking the groups)
- Min cut less than **50mm (2")**
- Material width: less than **4m (13 ft)**
- Speed: less than **1800m/min (5.900 fpm)**
- **Quick ROI**





POSITIONING TYPE

- **Manual:** via a rack and pinion mechanism
- **Manual visualized:** via a rack and pinion mechanism and external digital readout showing the slitting groups quota
- **Automatic:** via brushless motor

Automatic Web-in Positioning



Automatic Web-out Positioning



Visualized Positioning System



Motors

Mario Cotta's Solution for Anvils Motorization

With a focus on ensuring maximum build quality and immediate delivery times, Mario Cotta has introduced a comprehensive range of motors for anvils rotation into its offering. The "Designed for Purpose" philosophy perfectly aligns with this division.

The range has been designed and engineered to offer maximum performance in the cutting system, with a minimum cut starting from **50mm (2")**, speeds up to **3100m/min (10.200 fpm)**, and high torque at all speeds. All motors can be equipped with single or double-edged carbide anvils or with Aurretta anvils with HSS disposable cutting ring, with outer diameters of **200mm (7.87")** or **250mm (9.84")**. The motors can be supplied with CE, CCC, and UL certifications (depending on the specific model).

**Over 1000
Installed Base of Motors**

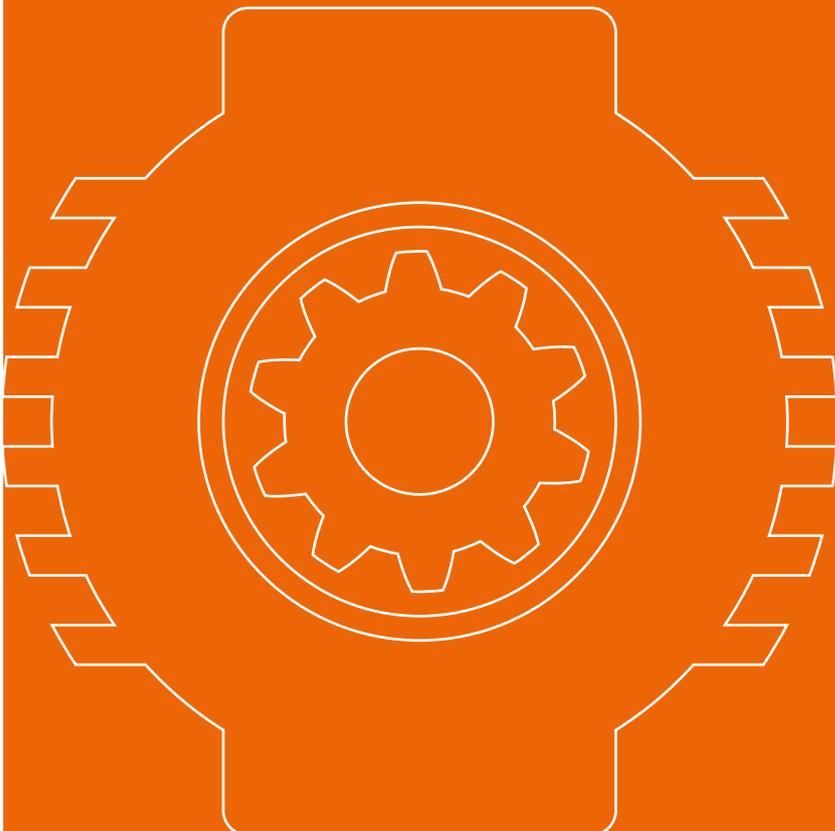
**5
Models Covering all Needs
3,100
m/min Maximum Speed**

FEATURES

- Double Bearing Construction
- Compact and Optimized Design
- AC and Brushless Motors

BENEFITS

- High Stability at High Speeds
- Extremely Low Run-Out
- High Efficiency
- High Torque





MC50

Ultra-compact Brushless motor for applications where the narrowest cut possible is desired combined with maximum productivity.

SPECIFICATIONS

- Width: **50mm (2")**
- Bottom Knife Diameter: **200mm (7.87")**
- Brushless Type
- Speed Range: **65-1600m/min (210-5.250 fpm)**
- Can be equipped with Aurette or Carbide-tipped Bottom Knife



MC80

AC motor 80mm wide in 2 version: LS (Low speed) and HS (High speed).

SPECIFICATIONS

- Width: **80mm (3.15")**
- Bottom Knife Diameter: **250mm (9.84")**
- AC 3-Phase Type
- Speed Range: **750-2400m/min (2.460-7.900 fpm) | 250-1300m/min (820-4.265 fpm)** for LS version
- Can be equipped with Aurette or Carbide-tipped Bottom Knife

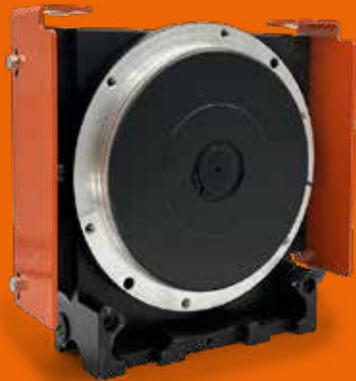


MC100-200

AC motor for applications where the cutting system must remain as compact as possible and high production speed is sought.

SPECIFICATIONS

- Width: **100mm (3.94")**
- Bottom Knife Diameter: **200mm (7.87")**
- AC 3-Phase Type
- Speed Range: **600-1900m/min (1.970-6.250 fpm)**
- Can be equipped with Aurette or Carbide-tipped Bottom Knife



MC100-250

Heavy Duty motor that guarantees extreme speed and maximum stability to achieve the best possible cut while still ensuring a minimum cut of **100mm**.

SPECIFICATIONS

- Width: **100mm (3.94")**
- Bottom Knife Diameter: **250mm (9.84")**
- AC 3-Phase Type
- Speed Range: **750-3100m/min (2.460- 1.0200 fpm)**
- Can be equipped with Aurette or Carbide-tipped Bottom Knife



mariocotta
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